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> de1 := m  $\left( \frac{d^2}{dt^2} x(t) \right) = -k1(x(t) - p(t)) - b \left( \frac{d}{dt} x(t) - \frac{d}{dt} p(t) \right);$ 
> de2 := k2 p(t) = k1(x(t) - p(t)) + b  $\left( \frac{d}{dt} x(t) - \frac{d}{dt} p(t) \right);$ 
> ic := x(0) = 0, p(0) = 0, D(x)(0) = 6.3;
> res := dsolve({de1, de2, ic})

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$$res := \begin{cases} p(t) = \end{cases}$$

$$- \left(634^{1/3} \left(\begin{array}{l} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m \\ + 3\sqrt{3} \end{array} \right) \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b m \left(86414^{1/3} \left(\begin{array}{l} -18k1k2b^2 + 9k2^2b^2 \\ - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m \end{array} \right) \right)$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^4k2^3m^2 - 57614^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k2^4 m^3 + 48014^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^4 k2 m^4 + 96014^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^3k2^2m^4 + 96014^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^2 k2^3 m^4 + 480 i 4^{1/3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1 k2^4 m^4 - 1296 i b^4 k2^4 m^3 + 96 i 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m \right. \right. \right.$$

$$- 18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} k1^5m^4 + 9614^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k2^5 m^4 + 24 4^2 \Big| {}^3 \sqrt{3} \left(\left(- 18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1^4 m^3 + 24 4^2 \Big| {}^3 \sqrt{3} \left(\left(- 18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 \\ k2^4m^3 - 32\sqrt{3}4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^5 m^4 - 32 \sqrt{3} 4^{1/3} \left(\left(- 18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k2^5 m^4 - 1728 \sqrt{3} b^4 k1^2 k2^2 m^3$$

$$+ 6912 \sqrt{3} b^4 k1 k2^3 m^3 - 1920 \sqrt{3} b^2 k1^4 k2 m^4 - 4224 \sqrt{3} b^2 k1^3 k2^2 m^4 - 1152 \sqrt{3} b^2 k1^2 k2^3 m^4$$

$$+ 2688 \sqrt{3} b^2 k1 k2^4 m^4 - 24 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right.$$

$$- 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{4/3} b^2 k2 + 8 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{4/3} k1^2m + 8\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b \Bigg] m^2 \Bigg)^{4/3} k2^2 m$$

+ 864

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k1 k2 m^3$$

+ 2592

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b k1^2 k2 m^4$$

+ 2592

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b k1 k2^2 m^4$$

- 3024

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$+ 864$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^3 m^4$$

$$+ 864$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 - 2880 \sqrt{3} k1^2 k2^4 m^5 - 1152 \sqrt{3} k1 k2^5 m^5$$

$$- 3024 \sqrt{3} b^4 k2^4 m^3 + 1536 \sqrt{3} b^2 k2^5 m^4 - 1152 \sqrt{3} k1^5 k2 m^5 - 2880 \sqrt{3} k1^4 k2^2 m^5$$

$$- 3840 \sqrt{3} k1^3 k2^3 m^5 - 192 \sqrt{3} k1^6 m^5 - 192 \sqrt{3} k2^6 m^5 + 7214^2 |^3 \left(\left(- 18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1^4 m^3 + 7214^2 \Bigg| \Bigg(\Bigg(-18 k1 k2 b^2 + 9 k2^2 b^2$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k2^4 m^3 + 103681 b^4 k1^2 k2^2 m^3$$

$$- 259201 b^4 k1 k2^3 m^3 + 51841 b^2 k1^4 k2 m^4 + 155521 b^2 k1^3 k2^2 m^4 + 155521 b^2 k1^2 k2^3 m^4$$

$$+ 51841 b^2 k1 k2^4 m^4 - 4814^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m \right. \right.$$

$$\left. \left. - 2 k2^3 m \right) \right.$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{4/3} k1 k2 m + 96 4^{2/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 \Big|_3^{3} b^2 k1^2 k2 m^2 - 244^2 \Big|_3^{3} \sqrt{3} \left(\left(\begin{array}{c} -18k1k2b^2 \\ \end{array} \right) \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} b^2 k1 k2^2 m^2 - 288 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2\right.\right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^4 k1 k2^2 m^2 + 192 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} b^2 k1^3 k2 m^3 + 576\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1^2 k2^2 m^3 + 576 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1 k2^3 m^3 + 216 4^{2/3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} b^4k2^2m + 86414^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^4 k1 k2^2 m^2 - 576 i 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1^3 k2 m^3 - 1728 i 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} b^2k1^2k2^2m^3 - 172814^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1 k2^3 m^3 + 28814^2 \Big| \Big| \Big(\Big(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} b^2 k1^2 k2 m^2 - 7214^2 \Big| \Big| \Big(\Big(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 \Big|_3^{ 2 }$$

$$- 25921\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$-8641\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b k1^2 k2 m^4$$

$$-8641\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b k1 k2^2 m^4 - 7214^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \\ \end{pmatrix} \right)$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^2 |$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \Big) \Big)^{1/2} b k1 m^2 - 7214^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \Big) \Big)^{1/2} b \Big) m^2 \Bigg)^2 |$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k2 m^2 + 72 4^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg\}^{2 | 3} b^4 k2^2 m - 120 4^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} b^2k2^3m^2 + 964^{2/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 m^2 \right)^{2/3} k1^3k2m^3 + 1444^{2/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 m^2 \right)^{2/3} k1^2k2^2m^3 + 964^{2/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} k1k2^3m^3 - 724^{2/3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k1 m^2 - 724^2 |^3 \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$\left. \left. - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right)$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2m^2 + 7214^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right. \right.$$

$$-6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} b^2k2 - 2414^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} k1^2m - 2414^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} k2^2m - 288\sqrt{3}4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^4k2^3m^2 + 192\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^2 k2^4 m^3 - 160\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^2 k1^4 k2 m^4 - 320\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^3k2^2m^4 - 320\sqrt{3} 4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) k1^2k2^3m^4 - 160\sqrt{3}4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) k1k2^4m^4 + 16\sqrt{3}4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) {}^{1/2} b \right) m^2 \Bigg)^{4/3} k1 k2 m$$

$$+ 1296 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 288 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b k1^3 m^4$$

$$- 288 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 - 360 i 4^2 |^3 \left(\begin{array}{c} \\ \\ \end{array} \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Big) m^2 \Bigg)^2 |^3 b^2 k2^3 m^2 + 288 i 4^2 |^3 \left(\begin{array}{c} \\ \\ \end{array} \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 \\ k1^3k2m^3 + 43214^2 \Big|_3 \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1^2 k2^2 m^3 + 288 14^{2/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1 k2^3 m^3 + 5184 1 b^6 k2^3 m^2 \Bigg)$$

$$\sqrt{3} \left(3 14^{2/3} \sqrt{3} b^2 k2 m - 14^{2/3} \sqrt{3} k1^2 m^2 - 2 14^{2/3} \sqrt{3} k1 k2 m^2 - 14^{2/3} \sqrt{3} k2^2 m^2 \right.$$

$$-34^2|3b^2k2m + 4^2|3k1^2m^2 + 24^2|3k1k2m^2 + 4^2|3k2^2m^2 + 14^1|3\left(\left(-18k1k2b^2\right.\right.$$

$$\left. \left. + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m\right)\right)$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m}\left(k2\left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2\right.\right.\right.$$

$$\left.\left.\left. + 12k1^2k2^2m^2 + 4k1k2^3m^2\right)\right)\right)^{1/2}b\Bigg)m^2\Bigg)^2|3\left(\left(-18k1k2b^2 + 9k2^2b^2\right.\right.$$

$$\left. \left. - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m\right)\right)$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3 + 4m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$\left. \left. - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right) \right.$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1 + 4 m \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b \Bigg]^{1/3} k2 \Bigg)$$

$$- \left(\left(3^{14^2} | 3\sqrt{3}b^2k_2m - 14^2 | 3\sqrt{3}k_1^2m^2 - 214^2 | 3\sqrt{3}k_1k_2m^2 - 14^2 | 3\sqrt{3}k_2^2m^2 - 34^2 | 3b^2k_2m \right. \right.$$

e

$$+ 4^2 | 3k_1^2m^2 + 24^2 | 3k_1k_2m^2 + 4^2 | 3k_2^2m^2 + 14^1 | 3 \left(\left(-18k_1k_2b^2 + 9k_2^2b^2 - 2k_1^3m - 6k_1^2k_2m \right. \right.$$

$$- 6k_1k_2^2m - 2k_2^3m$$

$$+ 3\sqrt{3} \sqrt{\frac{k_2(4b^4k_2^2 + 8b^2k_1^2k_2m - 20b^2k_1k_2^2m - b^2k_2^3m + 4k_1^4m^2 + 12k_1^3k_2m^2 + 12k_1^2k_2^2m^2 + 4k_1k_2^3m^2)}{m}}$$

$$\left. b \right) m^2 \Bigg)^{2/3} \sqrt{3} + 4^1 | 3 \left(\left(-18k_1k_2b^2 + 9k_2^2b^2 - 2k_1^3m - 6k_1^2k_2m - 6k_1k_2^2m - 2k_2^3m \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k_2(4b^4k_2^2 + 8b^2k_1^2k_2m - 20b^2k_1k_2^2m - b^2k_2^3m + 4k_1^4m^2 + 12k_1^3k_2m^2 + 12k_1^2k_2^2m^2 + 4k_1k_2^3m^2)}{m}}$$

$$b \Big) m^2 \Big)^{2/3} + 4m \left(\left(-18k_1 k_2 b^2 + 9k_2^2 b^2 - 2k_1^3 m - 6k_1^2 k_2 m - 6k_1 k_2^2 m - 2k_2^3 m \right. \right.$$

$$\left. \left. + 3\sqrt{3} \sqrt{\frac{k_2 (4b^4 k_2^2 + 8b^2 k_1^2 k_2 m - 20b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4k_1^4 m^2 + 12k_1^3 k_2 m^2 + 12k_1^2 k_2^2 m^2 + 4k_1 k_2^3 m^2)}{m}} \right) \right)$$

$$b \Big) m^2 \Big)^{1/3} k_1 + 4m \left(\left(-18k_1 k_2 b^2 + 9k_2^2 b^2 - 2k_1^3 m - 6k_1^2 k_2 m - 6k_1 k_2^2 m - 2k_2^3 m \right. \right.$$

$$\left. \left. + 3\sqrt{3} \sqrt{\frac{k_2 (4b^4 k_2^2 + 8b^2 k_1^2 k_2 m - 20b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4k_1^4 m^2 + 12k_1^3 k_2 m^2 + 12k_1^2 k_2^2 m^2 + 4k_1 k_2^3 m^2)}{m}} \right) \right)$$

$$b \Big) m^2 \Big)^{1/3} k_2 \Big) t \Big) \Bigg/ \left(12b m \left(\left(-18k_1 k_2 b^2 + 9k_2^2 b^2 - 2k_1^3 m - 6k_1^2 k_2 m - 6k_1 k_2^2 m - 2k_2^3 m \right. \right. \right. \right.$$

$$\left. \left. \left. \left. + 3\sqrt{3} \sqrt{\frac{k_2 (4b^4 k_2^2 + 8b^2 k_1^2 k_2 m - 20b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4k_1^4 m^2 + 12k_1^3 k_2 m^2 + 12k_1^2 k_2^2 m^2 + 4k_1 k_2^3 m^2)}{m}} \right) \right) \right)$$

$$b \Big) m^2 \Big)^{1/3} \Big) \Bigg) \Bigg| \left(5 \left(4^{2/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m \right. \right. \right. \right. \right.$$

$$- 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b \Big) m^2 \Bigg)^{2/3} + 12 b^2 k2 m - 4 k1^2 m^2 - 8 k1 k2 m^2 - 4 k2^2 m^2 \Bigg)$$

$$\left(2592 \sqrt{3} \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k2^2 m^3$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4$$

$$- 576 \sqrt{3}$$

$$\begin{aligned}
& \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right. \\
& \left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3 \right. \\
& \left. + 10368 b^2 k1^4 k2 m^4 + 31104 b^2 k1^3 k2^2 m^4 + 31104 b^2 k1^2 k2^3 m^4 + 10368 b^2 k1 k2^4 m^4 \right. \\
& \left. + 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3 \right. \\
& \left. - 5184 \sqrt{3} \right)
\end{aligned}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b^3 k1 k2 m^3$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b k1^2 k2 m^4$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k1 k2^2 m^4 \Bigg) \Bigg) + \Bigg(6314^{1/3} \Bigg(\Bigg(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2^2 m^2$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} b m \Bigg(-28814^{1/3} \sqrt{3} \Bigg(\Bigg(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^4 k1 k2^2 m^2 + 19214^{1/3} \sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^2 k1^3 k2 m^3 + 57614^{1/3} \sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^2k1^2k2^2m^3 + 57614^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) | b^2k1k2^3m^3 - 721 \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \end{pmatrix}$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{2/3} m^2 \right)$$

$$\begin{aligned}
& \left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \\
& \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)) \right)^{1/2} 4^2 |^3 b k1 m^2 - 721 \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right. \right. \\
& \left. \left. - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m + 3 \sqrt{3} \right) \right)
\end{aligned}$$

$$\left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg\}^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} 4^2 |^3 b k2 m^2 + 721 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right)^2 |^3$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right)^2 |^3$$

$$4^2 |^3 b^2 k1^2 k2 m^2 - 24 i \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} 4^{2/3} b^2 k1 k2^2 m^2 - 360 4^{2/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 b^2 k2^3 m^2 + 288 4^2 \Big|_3 \left(\left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right) \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 k1^3 k2 m^3 + 432 4^2 \Big|_3 \left(\left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right) \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^2 \Big|_3 k1 k2^3 m^3 + 216 4^{2/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^2 \Big|_3 b^4 k2^2 m + 864 4^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^4k2^3m^2 - 5764^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^{1/3} b^2 k2^4 m^3 + 480 4^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^{1/3} k1^4 k2 m^4 - 24 4^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k2^2 m + 72 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} b^2k2 - 244^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} k1^2m + 724^{2/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} \\ k1^4m^3 + 724^{2/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 k2^4 m^3 - 2414^{1/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^4 \Big|_3 b^2 k2 + 814^{1/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k1^2m + 814^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} k2^2m + 9604^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} k1^3k2^2m^4 + 9604^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^2k2^3m^4 + 480 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} k1 k2^4 m^4$$

$$+ 1296 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k2^2 m^3$$

$$- 288 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4$$

$$- 288 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k2^3 m^4 - 48 4^{1/3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right)$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \left(k1k2m - 3214^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right. \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^5 m^4 - 3214^{1/3} \sqrt{3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k2^5 m^4$$

$$+ 8641$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3 \right.$$

+ 25921

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4 \right)$$

+ 25921

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 + 10368 b^4 k1^2 k2^2 m^3 - 25920 b^4 k1 k2^3 m^3 \right.$$

$$+ 5184 b^2 k1^4 k2 m^4 + 15552 b^2 k1^3 k2^2 m^4 + 15552 b^2 k1^2 k2^3 m^4 + 5184 b^2 k1 k2^4 m^4$$

$$- 724^2 |^3 \sqrt{3} \left(\left(- 18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m \right. \right.$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 + 10368 b^4 k1^2 k2^2 m^3 - 25920 b^4 k1 k2^3 m^3 \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg] m^2 \Bigg\}^2 \Big|$$

3

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k1 m^2 - 72 4^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \end{pmatrix} \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2m^2 - 192 i \sqrt{3} k1^6 m^5 - 192 i \sqrt{3} k2^6 m^5$$

$$+ 5184b^6k2^3m^2 - 1296b^4k2^4m^3 + 2884^2 |^3 \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$-6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} b^2k1^2k2m^2 - 724^2 \Bigg|^{1/3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 \Big| \Bigg. 3 \\ b^2 k1 k2^2 m^2$$

$$- 2592 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$- 864 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4 \right.$$

$$- 864 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 + 864 4^{1/3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right. \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} b^4k1k2^2m^2 - 5764^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1^3 k2 m^3 - 1728 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1^2 k2^2 m^3 - 1728 4^{1/3} \left(\left(-18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^2k1k2^3m^3 + 964^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^5 m^4 + 96 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k2^5 m^4 + 69121 \sqrt{3} b^4 k1 k2^3 m^3$$

$$- 19201 \sqrt{3} b^2 k1^4 k2 m^4 - 42241 \sqrt{3} b^2 k1^3 k2^2 m^4 - 11521 \sqrt{3} b^2 k1^2 k2^3 m^4$$

$$+ 2688 \text{i} \sqrt{3} b^2 k1 k2^4 m^4 + 24 \text{i} \sqrt{3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right.$$

$$- 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 4^2 \Big|_3 k1^4 m^3 + 24 \text{i} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 \Big|_3^{2/3} 4^2 \Big|_3^{2/3} k2^4 m^3 - 1728 i \sqrt{3} b^4 k1^2 k2^2 m^3$$

$$+ 864 i$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4$$

+ 864 I

$$\left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2\right.$$

$$\left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)) \right)^{1/2} b k2^3 m^4$$

- 3024 I

$$\left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2\right.$$

$$\left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)) \right)^{1/2} b^3 k2^2 m^3 - 3024 I \sqrt{3} b^4 k2^4 m^3 + 1536 I \sqrt{3} b^2 k2^5 m^4$$

$$- 11521\sqrt{3}k1^5k2m^5 - 28801\sqrt{3}k1^4k2^2m^5 - 38401\sqrt{3}k1^3k2^3m^5 - 28801\sqrt{3}k1^2k2^4m^5$$

$$- 11521\sqrt{3}k1k2^5m^5 - 28814^{1/3}\sqrt{3}\left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m\right.\right.$$

$$\left.- 6k1k2^2m - 2k2^3m\right)$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m}\left(k2\left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2\right.\right.\right.$$

$$\left.\left.+ 12k1^2k2^2m^2 + 4k1k2^3m^2\right)\right)^{1/2}b\left)m^2\right)^{1/3}b^4k2^3m^2 + 19214^{1/3}\sqrt{3}\left(\left(-18k1k2b^2\right.\right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^2k2^4m^3 - 16014^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) k1^4k2m^4 - 32014^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) k1^3k2^2m^4 - 32014^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^2k2^3m^4 - 16014^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2) \left. \right)^{1/2} b \left. \right) m^2 \left. \right)^{1/3} k1k2^4m^4 + 1614^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2) \left. \right)^{1/2} b \left. \right) m^2 \left. \right)^{4/3} k1k2m - 1201\sqrt{3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} 4^{2/3} b^2 k2^3 m^2 + 96i\sqrt{3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \right)^{2/3} 4^{2/3} k1^3 k2 m^3 + 144 i \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \right)^{2/3} 4^{2/3} k1^2 k2^2 m^3 + 96 i \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} 4^{2/3} k1 k2^3 m^3 \Bigg) \sqrt{3} \Bigg(314^{2/3} \sqrt{3} b^2 k2 m$$

$$- 14^{2/3} \sqrt{3} k1^2 m^2 - 214^{2/3} \sqrt{3} k1 k2 m^2 - 14^{2/3} \sqrt{3} k2^2 m^2 + 34^{2/3} b^2 k2 m - 4^{2/3} k1^2 m^2$$

$$- 24^{2/3} k1 k2 m^2 - 4^{2/3} k2^2 m^2 + 14^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right. \right. \right.$$

$$-6k1k2^2m - 2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} \sqrt{3} - 4^{1/3} \Bigg(\Bigg(-18k1k2b^2 + 9k2^2b^2$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3 - 4m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$- 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^1 |^3 - k1 - 4m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$-6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} k2 \right)$$

2

$$\left(\left(314^2 | 3\sqrt{3}b^2k2m - 14^2 | 3\sqrt{3}k1^2m^2 - 214^2 | 3\sqrt{3}k1k2m^2 - 14^2 | 3\sqrt{3}k2^2m^2 + 34^2 | 3b^2k2m \right) \right)$$

e

$$-4^2 | 3k1^2m^2 - 24^2 | 3k1k2m^2 - 4^2 | 3k2^2m^2 + 14^1 | 3 \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m \right. \right.$$

$$- 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3} \sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m}}$$

$$b \Big) m^2 \Big)^2 | 3 \sqrt{3} - 4^1 | 3 \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m}}$$

$$b \Big) m^2 \Big)^2 | 3 - 4m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m}}$$

$$b \Big) m^2 \Bigg)^{1/3} k_1 - 4m \left(\left(-18k_1 k_2 b^2 + 9k_2^2 b^2 - 2k_1^3 m - 6k_1^2 k_2 m - 6k_1 k_2^2 m - 2k_2^3 m \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k_2(4b^4k_2^2 + 8b^2k_1^2k_2m - 20b^2k_1k_2^2m - b^2k_2^3m + 4k_1^4m^2 + 12k_1^3k_2m^2 + 12k_1^2k_2^2m^2 + 4k_1k_2^3m^2)}{m}}$$

$$b \left(m^2 \right)^{1/3} k_2 t \Bigg) \Bigg/ \left(12 b m \left(-18 k_1 k_2 b^2 + 9 k_2^2 b^2 - 2 k_1^3 m - 6 k_1^2 k_2 m - 6 k_1 k_2^2 m - 2 k_2^3 m \right) \right)$$

$$+ 3\sqrt{3}\sqrt{\frac{k_2(4b^4k_2^2 + 8b^2k_1^2k_2m - 20b^2k_1k_2^2m - b^2k_2^3m + 4k_1^4m^2 + 12k_1^3k_2m^2 + 12k_1^2k_2^2m^2 + 4k_1k_2^3m^2)}{m}}$$

$$\left. \left(b \right) m^2 \right)^{1/3} \right) \right) \\ \left(5 \left(4^{2/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m \right. \right. \right. \right.$$

$$-2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} + 12b^2k2m - 4k1^2m^2 - 8k1k2m^2 - 4k2^2m^2 \Bigg)$$

$$\left(2592\sqrt{3} \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \bigg) \Bigg)^{1/2} b k1^3 m^4$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3$$

$$+ 10368 b^2 k1^4 k2 m^4 + 31104 b^2 k1^3 k2^2 m^4 + 31104 b^2 k1^2 k2^3 m^4 + 10368 b^2 k1 k2^4 m^4$$

$$+ 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3$$

$$- 5184 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 \right) \Bigg) + \Bigg(3024 \left(48 m^3 k1^2 b^2 k2 \right.$$

$$-12 m^3 k2^2 k1 b^2 - 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m \right.$$

$$- 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{4/3} + 72 m^4 k2^2 k1^2 + 36 m^2 b^4 k2^2 + 48 m^4 k1^3 k2$$

$$- 60 m^3 k2^3 b^2 + 48 m^4 k2^3 k1 - 12 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right.$$

$$-6k_1k_2^2m - 2k_2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k_2 \left(4b^4k_2^2 + 8b^2k_1^2k_2m - 20b^2k_1k_2^2m - b^2k_2^3m + 4k_1^4m^2 + 12k_1^3k_2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k_1^2k_2^2m^2 + 4k_1k_2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^2k_1k_2m^2 + 44^{1/3} \left(\left(-18k_1k_2b^2 \right. \right.$$

$$+ 9k_2^2b^2 - 2k_1^3m - 6k_1^2k_2m - 6k_1k_2^2m - 2k_2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \right) m^2 \right)^{1/3} k2^3m^3 + 12m^4k1^4 + 12m^4k2^4$$

$$-12\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b k2 m^3 - 12 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$- 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k2^2 m^2 + 12 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^2 k2 m^3 + 12 4^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1k2^2m^3$$

$$- 12\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k1m^3 \right) 4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m \\ \end{pmatrix} \right)$$

$$-6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b \left(34^{2/3}b^2k2m - 4^{2/3}k1^2m^2 \right.$$

$$- 24^{2/3}k1k2m^2 - 4^{2/3}k2^2m^2 - 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m \right. \right.$$

$$- 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3 + 2m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$\left. \left. - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right) \right.$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1 + 2 m \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b \Bigg]^{1/3} k2 \Bigg)$$

$$- \left(\left(3 \, 4^2 \mid 3 \, b^2 \, k2 \, m - 4^2 \mid 3 \, k1^2 \, m^2 - 2 \, 4^2 \mid 3 \, k1 \, k2 \, m^2 - 4^2 \mid 3 \, k2^2 \, m^2 - 4^1 \mid 3 \right) \left(\left(-18 \, k1 \, k2 \, b^2 + 9 \, k2^2 \, b^2 \right. \right. \right.$$

e

$$- 2 \, k1^3 \, m - 6 \, k1^2 \, k2 \, m - 6 \, k1 \, k2^2 \, m - 2 \, k2^3 \, m$$

$$+ 3 \sqrt{3} \sqrt{\frac{k2 (4 \, b^4 \, k2^2 + 8 \, b^2 \, k1^2 \, k2 \, m - 20 \, b^2 \, k1 \, k2^2 \, m - b^2 \, k2^3 \, m + 4 \, k1^4 \, m^2 + 12 \, k1^3 \, k2 \, m^2 + 12 \, k1^2 \, k2^2 \, m^2 + 4 \, k1 \, k2^3 \, m^2)}{m}}$$

$$\left. b \right) m^2 \Bigg)^2 \Big| \Big|^3 + 2 \, m \left(\left(-18 \, k1 \, k2 \, b^2 + 9 \, k2^2 \, b^2 - 2 \, k1^3 \, m - 6 \, k1^2 \, k2 \, m - 6 \, k1 \, k2^2 \, m - 2 \, k2^3 \, m \right. \right.$$

$$+ 3 \sqrt{3} \sqrt{\frac{k2 (4 \, b^4 \, k2^2 + 8 \, b^2 \, k1^2 \, k2 \, m - 20 \, b^2 \, k1 \, k2^2 \, m - b^2 \, k2^3 \, m + 4 \, k1^4 \, m^2 + 12 \, k1^3 \, k2 \, m^2 + 12 \, k1^2 \, k2^2 \, m^2 + 4 \, k1 \, k2^3 \, m^2)}{m}} \Bigg)$$

$$\left. b \right) m^2 \Bigg)^1 \Big| \Big|^3 k1 + 2 \, m \left(\left(-18 \, k1 \, k2 \, b^2 + 9 \, k2^2 \, b^2 - 2 \, k1^3 \, m - 6 \, k1^2 \, k2 \, m - 6 \, k1 \, k2^2 \, m - 2 \, k2^3 \, m \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m}}$$

$$b \Big) m^2 \Big)^{1/3} k2 \Big) t \Bigg) \Bigg/ \left(6b m \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m \right. \right. \right.$$

$$+ 3\sqrt{3} \sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m}}$$

$$b \Big) m^2 \Big)^{1/3} \Big) \Big)$$

$$\left(5 \left(2592\sqrt{3} \right. \right.$$

$$\left. \left. \left(\frac{1}{m}(k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^3 m^4$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3$$

$$+ 10368 b^2 k1^4 k2 m^4 + 31104 b^2 k1^3 k2^2 m^4 + 31104 b^2 k1^2 k2^3 m^4 + 10368 b^2 k1 k2^4 m^4$$

$$+ 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3$$

$$- 5184 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 \right) \right) \right)$$

$$144 m b^2 \left(\begin{pmatrix} -18 k1 k2 b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{2/3} k2 \Bigg), x(t) = \sqrt[3]{634^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.}$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} b m \left(86414^{1/3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} b^4k2^3m^2 - 57614^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^2k2^4m^3 + 48014^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^4 k2 m^4 + 96014^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^3 k2^2 m^4 + 96014^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^2k2^3m^4 + 48014^{1/3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} k1k2^4m^4 - 12961b^4k2^4m^3 + 9614^{1/3} \left(\left($$

$$-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} k1^5m^4 + 9614^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k2^5m^4 + 244^{2/3}\sqrt{3} \left(\begin{pmatrix} & \\ & -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^2 \Big|_3^{2/3} k1^4 m^3 + 24 4^{2/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \Bigg)^2 \Big|_3^{2/3} k2^4 m^3 - 32 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^5m^4 - 32\sqrt{3}4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \Bigg)^{1/3} k2^5 m^4 - 1728 \sqrt{3} b^4 k1^2 k2^2 m^3$$

$$+ 6912 \sqrt{3} b^4 k1 k2^3 m^3 - 1920 \sqrt{3} b^2 k1^4 k2 m^4 - 4224 \sqrt{3} b^2 k1^3 k2^2 m^4 - 1152 \sqrt{3} b^2 k1^2 k2^3 m^4$$

$$+ 2688 \sqrt{3} b^2 k1 k2^4 m^4 - 24 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right. \right.$$

$$\left. \left. - 6 k1 k2^2 m - 2 k2^3 m \right) \right.$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} b^2k2 + 8\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \right)^{4/3} k1^2m + 8\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k2^2m$$

$$+ 864$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k1 k2 m^3$$

+ 2592

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^2 k2 m^4$$

+ 2592

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1 k2^2 m^4$$

- 3024

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

+ 864

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k1^3 m^4$$

$$+ 864$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 - 2880 \sqrt{3} k1^2 k2^4 m^5 - 1152 \sqrt{3} k1 k2^5 m^5$$

$$- 3024 \sqrt{3} b^4 k2^4 m^3 + 1536 \sqrt{3} b^2 k2^5 m^4 - 1152 \sqrt{3} k1^5 k2 m^5 - 2880 \sqrt{3} k1^4 k2^2 m^5$$

$$- 3840 \sqrt{3} k1^3 k2^3 m^5 - 192 \sqrt{3} k1^6 m^5 - 192 \sqrt{3} k2^6 m^5 + 7214^{2/3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg)^{2/3} k1^4 m^3 + 7214^2 \Bigg|^{1/3} \left(\begin{array}{l} \\ \\ \end{array} \right. \left. \left. \begin{array}{l} - 18 k1 k2 b^2 + 9 k2^2 b^2 \end{array} \right) \right)$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\begin{aligned}
& \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right. \\
& \left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3 \\
& - 259201b^4k1k2^3m^3 + 51841b^2k1^4k2m^4 + 155521b^2k1^3k2^2m^4 + 155521b^2k1^2k2^3m^4 \\
& + 51841b^2k1k2^4m^4 - 4814^1|^3 \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m \right. \right. \\
& \left. \left. - 2k2^3m \right) + 3\sqrt{3} \right)
\end{aligned}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^4 \Big|_3 k1 k2 m + 96 4^{2/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 b^2 k1^2 k2 m^2 - 24 4^{2/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} b^2k1k2^2m^2 - 288\sqrt{3}4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^4 k1 k2^2 m^2 + 192\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right) b^2 k1^3 k2 m^3 + 576\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^2k1^2k2^2m^3 + 576\sqrt{3}4^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} b^2 k1 k2^3 m^3 + 21614^{2/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{2/3} m^2 \right)^{2/3} b^4 k2^2 m + 86414^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^4k1k2^2m^2 - 57614^{1/3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} b^2 k1^3 k2 m^3 - 172814^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} b^2 k1^2 k2^2 m^3 - 172814^{1/3} \left(\left(-18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^2k1k2^3m^3 + 28814^2 \Bigg|^{1/3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |^3$$

$$- 2592 \mathrm{i} \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$- 864 \mathrm{i} \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4$$

$$-8641\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b k1 k2^2 m^4 - 7214^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$-2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg] m^2 \Bigg|^2$$

3

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k1 m^2 - 72 \sqrt[4]{3} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 \right. \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2m^2 + 724^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \end{pmatrix} \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} \\ b^4k2^2m - 1204^2 \Big|_3^{3} \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} b^2 k2^3 m^2 + 96 4^2 \Big| {}^3 \sqrt{3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1^3 k2 m^3 + 144 4^2 \Big| {}^3 \sqrt{3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 \Big|_3^{3}$$

$$k1^2k2^2m^3 + 964^2 \Big|_3^{3} \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} k1 k2^3 m^3 - 72 4^{2/3} \left(\left(- 18 k1 k2 b^2\right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 m^2 - 72 4^2 |^3 \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right. \right. \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 |$$

$$\left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)) \right)^{1/2} b k2 m^2 + 72 \sqrt{4^{1/3}} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} (k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)) \right)^{1/2} b k2 m^2 + 72 \sqrt{4^{1/3}} \left(\begin{pmatrix} -18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \right)$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{4/3} b^2 k2 - 24 i 4^{1/3} \left(\begin{array}{c} -18 k1 k2 b^2 + 9 k2^2 b^2 \\ \end{array} \right)$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{4/3} k1^2 m - 24 i 4^{1/3} \left(\begin{array}{c} -18 k1 k2 b^2 + 9 k2^2 b^2 \\ \end{array} \right)$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k2^2m - 288\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^4 k2^3 m^2 + 192 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k2^4 m^3 - 160 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} k1^4k2m^4 - 320\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^3 k2^2 m^4 - 320 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} k1^2 k2^3 m^4 - 160 \sqrt{3} 4^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^{1/3} k1k2^4m^4 + 16\sqrt{3} 4^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b \Bigg) m^2 \Bigg)^{4/3} k1 k2 m$$

$$+ 1296 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 288 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^3 m^4$$

$$- 288 i \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k2^3 m^4 - 360 i 4^{2/3} \left(\begin{array}{l} \\ \end{array} \right)$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} b^2 k2^3 m^2 + 288 |4^2|_3 \Bigg(\Bigg(-18 k1 k2 b^2$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} k1^3 k2 m^3 + 432 |4^2|_3 \Bigg(\Bigg(-18 k1 k2 b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{2/3} k1^2k2^2m^3 + 28814^{2/3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right)^2 |^3 m^2 \right) \left(k1 k2^3 m^3 + 51841 b^6 k2^3 m^2 \right)$$

$$\sqrt{3}$$

$$- \left(t \left(121 b^2 k2 \sqrt{3} m - 41 m^2 k1^2 \sqrt{3} - 81 m^2 k1 k2 \sqrt{3} - 41 m^2 k2^2 \sqrt{3} + 1 \sqrt{3} \left(\left(-72 k1 k2 b^2 + 36 k2^2 b^2 \right. \right. \right. \right. \right.$$

e

$$- 8 k1^3 m - 24 k1^2 k2 m - 24 k1 k2^2 m - 8 k2^3 m$$

$$+ 12 \sqrt{3}$$

$$\sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m} b} m^2 \Bigg)$$

$2|3$

$$- 12b^2k2m + 4k1^2m^2 + 8k1k2m^2 + 4k2^2m^2 + 4k1 \left(\begin{array}{l} (-72k1k2b^2 + 36k2^2b^2 - 8k1^3m - 24k1^2k2m) \\ \end{array} \right.$$

$$- 24k1k2^2m - 8k2^3m$$

$$+ 12\sqrt{3}$$

$$\sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m} b} m^2 \Bigg)$$

$1|3$

$$m + 4k2 \left(\begin{array}{l} (-72k1k2b^2 + 36k2^2b^2 - 8k1^3m - 24k1^2k2m - 24k1k2^2m - 8k2^3m) \\ \end{array} \right.$$

$$+ 12 \sqrt{3}$$

$$\sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m} b} m^2 \Bigg)$$

$$\begin{array}{l} 1|3 \\ m + \left(\left(-72k1k2b^2 + 36k2^2b^2 - 8k1^3m - 24k1^2k2m - 24k1k2^2m - 8k2^3m \right. \right. \end{array}$$

$$+ 12 \sqrt{3}$$

$$\sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m} b} m^2 \Bigg)$$

$$\begin{array}{l} 2|3 \\ \Bigg) \Bigg) \Bigg/ \left(12 \left(\left(-72k1k2b^2 + 36k2^2b^2 - 8k1^3m - 24k1^2k2m - 24k1k2^2m - 8k2^3m \right. \right. \right. \end{array}$$

$$+ 12 \sqrt{3}$$

$$\sqrt{\frac{k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2)}{m} b} m^2 \Bigg)$$

$$\begin{aligned} & \left. \frac{1}{b} \left| \frac{3}{m} \right. \right) \\ & \quad \left(5 \left(4^2 \left| \frac{3}{\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m \right. \right. \right. \right. \right. \right. \\ & \quad \left. \left. \left. \left. \left. \left. \right) \right) \right) \right) \end{aligned}$$

$$- 2k2^3m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b \Bigg]^{2/3} + 12 b^2 k2 m - 4 k1^2 m^2 - 8 k1 k2 m^2 - 4 k2^2 m^2 \Bigg)$$

$$\left(2592\sqrt{3} \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 576\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^3 m^4$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3$$

$$+ 10368 b^2 k1^4 k2 m^4 + 31104 b^2 k1^3 k2^2 m^4 + 31104 b^2 k1^2 k2^3 m^4 + 10368 b^2 k1 k2^4 m^4$$

$$+ 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3$$

$$- 5184 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3$$

$$- 1728 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^2 k2 m^4$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1 k2^2 m^4 \right) \Bigg) - \left(6314^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m^2 \right. \right. \right. \right.$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b m \left(-28814^{1/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right. \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^4k1k2^2m^2 + 19214^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b^2 k1^3 k2 m^3 + 57614^{1/3} \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m + 3\sqrt{3} \end{pmatrix} \right)$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b^2 k1^2 k2^2 m^3 + 57614^{1/3} \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} b^2k1k2^3m^3 - 721 \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} b \left. \right)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \right) \right)^{1/2} 4^2 |^3 b k1 m^2 - 72 | \left(\left(\begin{array}{l} -18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m \\ \end{array} \right) \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg|^2$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} 4^2 |^3 b k2m^2 + 721\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \\ \end{pmatrix} \right)$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big| {}^3 4^2 \Big| {}^3 b^4 k2^2 m + 961\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^2 \Big|_3 4^2 \Big|_3 b^2 k1^2 k2 m^2 - 241\sqrt{3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m + 3\sqrt{3} \right) \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^2 \Big|_3 4^2 \Big|_3 b^2 k1 k2^2 m^2 - 3604^2 \Big|_3 \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} b^2k2^3m^2 + 2884^2 \Big|_3^{3} \left(\left(\begin{array}{c} -18k1k2b^2 \\ \end{array} \right) \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \right)^2 |^3 k1^3k2m^3 + 4324^2 |^3 \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \right)^2 |^3 k1^2k2^2m^3 + 2884^2 |^3 \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{3} \left(\left(\begin{array}{c} k1k2^3m^3 + 2164^2 \\ -18k1k2b^2 \end{array} \right) \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 b^4 k2^2 m + 864 4^{1/3} \left(\left(\begin{array}{c} \\ \\ \end{array} \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^1 \Big|_3 b^4 k2^3 m^2 - 576 4^{1/3} \left(\left(\begin{array}{c} \\ \\ \end{array} \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^2k2^4m^3 + 4804^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^4 k2 m^4 - 24 4^{1/3} \left(\left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right)$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k2^2 m + 72 4^{1/3} \left(\left(\begin{array}{c} -18 k1 k2 b^2 + 9 k2^2 b^2 \\ \end{array} \right)$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right. \\ \left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} m^2 \Bigg) \Bigg|_{b^2k2 - 244^{1/3}} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \end{pmatrix} \right)$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{4/3} k1^2m + 724^{2/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{2/3} k1^4m^3 + 724^{2/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{1/3} k2^4m^3 - 2414^1 \Big|_3^{1/3} \sqrt{3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} b^2k2 + 814^{1/3}\sqrt{3} \left(\left(\begin{array}{c} -18k1k2b^2 \\ \end{array} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k1^2m + 814^{1/3}\sqrt{3} \left(\left(\begin{array}{c} -18k1k2b^2 \\ \end{array} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{4/3} k2^2m + 9604^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \right) \left. \right)^{1/2} b \left. \right) m^2 \left. \right)^{1/3} k1^3k2^2m^4 + 9604^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \right) \left. \right)^{1/2} b \left. \right) m^2 \left. \right)^{1/3} k1^2k2^3m^4 + 4804^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1 k2^4 m^4$$

$$+ 1296 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k2^2 m^3$$

$$- 288 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^3 m^4$$

$$- 288 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k2^3 m^4 - 48 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m^2 \right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Big) m^2 \Bigg)^{4/3} k1 k2 m - 32 14^{1/3} \sqrt{3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^{1/3} k1^5m^4 - 3214^{1/3}\sqrt{3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b \Bigg]^{1/3} m^2 k2^5 m^4$$

+ 864 I

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b^3 k1 k2 m^3$$

+ 2592 I

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^2 k2 m^4$$

$$+ 25921$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1 k2^2 m^4 + 10368 b^4 k1^2 k2^2 m^3 - 25920 b^4 k1 k2^3 m^3$$

$$+ 5184 b^2 k1^4 k2 m^4 + 15552 b^2 k1^3 k2^2 m^4 + 15552 b^2 k1^2 k2^3 m^4 + 5184 b^2 k1 k2^4 m^4$$

$$- 724^2 |^3 \sqrt{3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m \right. \right.$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right.$$

$$\left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 |$$

$$_3$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right.$$

$$\left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k1 m^2 - 724^2 |^3 \sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 \end{pmatrix} \right)$$

$$-2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 |$$

3

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \Big) \Big)^{1/2} b k2 m^2 - 192 i \sqrt{3} k1^6 m^5 - 192 i \sqrt{3} k2^6 m^5$$

$$+ 5184 b^6 k2^3 m^2 - 1296 b^4 k2^4 m^3 + 2884^2 |^3 \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m\right.$$

$$- 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right) \right)^{1/2} b \Bigg) m^2 \Bigg)^2 |^3 b^2 k1^2 k2 m^2 - 724^2 |^3 \left(\left(-18 k1 k2 b^2 \right. \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{2/3} b^2 k1 k2^2 m^2$$

$$- 2592 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k1 k2 m^3$$

$$- 864 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^2 k2 m^4$$

$$- 864 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \Big) \Big)^{1/2} b k1 k2^2 m^4 + 864 4^{1/3} \left(\begin{array}{c} -18 k1 k2 b^2 + 9 k2^2 b^2 \\ \end{array} \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg\}^{1/3} b^4 k1 k2^2 m^2 - 576 4^{1/3} \left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} b^2k1^3k2m^3 - 17284^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1^2 k2^2 m^3 - 1728 4^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{1/3} b^2 k1 k2^3 m^3 + 96 4^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} k1^5m^4 + 964^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b \Bigg) m^2 \Bigg\}^{1/3} k2^5 m^4 + 69121 \sqrt{3} b^4 k1 k2^3 m^3$$

$$- 19201 \sqrt{3} b^2 k1^4 k2 m^4 - 42241 \sqrt{3} b^2 k1^3 k2^2 m^4 - 11521 \sqrt{3} b^2 k1^2 k2^3 m^4$$

$$+ 26881 \sqrt{3} b^2 k1 k2^4 m^4 + 241 \sqrt{3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right. \right.$$

$$- 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} 4^2 \sqrt[3]{k1^4 m^3 + 24 i \sqrt{3} \left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg]^{2/3} 4^2 \sqrt[3]{k2^4 m^3 - 1728 i \sqrt{3} b^4 k1^2 k2^2 m^3}$$

$$+ 864 i$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4$$

+ 864 I

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k2^3 m^4$$

- 3024 I

$$\begin{aligned}
& \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right. \\
& \left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) \right)^{1/2} b^3k2^2m^3 - 30241\sqrt{3}b^4k2^4m^3 + 15361\sqrt{3}b^2k2^5m^4 \\
& - 11521\sqrt{3}k1^5k2m^5 - 28801\sqrt{3}k1^4k2^2m^5 - 38401\sqrt{3}k1^3k2^3m^5 - 28801\sqrt{3}k1^2k2^4m^5 \\
& - 11521\sqrt{3}k1k2^5m^5 - 28814^{1/3}\sqrt{3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m \right. \right. \\
& \left. \left. - 6k1k2^2m - 2k2^3m \right. \right. \\
& \left. \left. + 3\sqrt{3} \right) \right)
\end{aligned}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b^4k2^3m^2 + 192 \left| 4^{1/3} \sqrt{3} \right| \left(\begin{pmatrix} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m + 3\sqrt{3} \end{pmatrix} \right)$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^{1/3} b^2k2^4m^3 - 160 \left| 4^{1/3} \sqrt{3} \right| \left(\begin{pmatrix} -18k1k2b^2 \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} k1^4k2m^4 - 32014^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} k1^3k2^2m^4 - 32014^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \\ + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m + 3\sqrt{3} \end{pmatrix} \right)$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \right)^{1/3} k1^2k2^3m^4 - 16014^{1/3}\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \\ \end{pmatrix} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{1/3} k1k2^4m^4 + 16|4^{1/3}\sqrt{3} \Bigg(\Bigg(-18k1k2b^2$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^4 \Big|_3 \\ k1 k2 m - 120 i \sqrt{3} \left(\left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right)$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3 \\ 4^2 \Big|_3 b^2 k2^3 m^2 + 96 i \sqrt{3} \left(\left(\begin{array}{c} -18 k1 k2 b^2 \\ \end{array} \right)$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \Bigg)^2 \Big|_3^{4^2} 4^2 \Big|_3^{k1^3k2m^3} + 144i\sqrt{3} \left(\begin{pmatrix} -18k1k2b^2 \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^2 \Big|_3^{4^2} 4^2 \Big|_3^{k1^2k2^2m^3} + 96i\sqrt{3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m + 3\sqrt{3} \right) \right.$$

$$\left. \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right) m^2 \right)^2 \Big|_3^{4^2} 4^2 \Big|_3^{k1k2^3m^3}$$

$$\sqrt{3}$$

$$\left(t \left(12 \, \textcolor{blue}{b}^2 \, k2 \, \sqrt{3} \, m - 4 \, m^2 \, k1^2 \, \sqrt{3} - 8 \, m^2 \, k1 \, k2 \, \sqrt{3} - 4 \, m^2 \, k2^2 \, \sqrt{3} + 1 \, \sqrt{3} \right) \left(-72 \, k1 \, k2 \, b^2 + 36 \, k2^2 \, b^2 \right. \right.$$

e

$$- 8 \, k1^3 \, m - 24 \, k1^2 \, k2 \, m - 24 \, k1 \, k2^2 \, m - 8 \, k2^3 \, m$$

$$+ 12 \, \sqrt{3}$$

$$\left. \left. \sqrt{\frac{k2 \left(4 \, b^4 \, k2^2 + 8 \, b^2 \, k1^2 \, k2 \, m - 20 \, b^2 \, k1 \, k2^2 \, m - b^2 \, k2^3 \, m + 4 \, k1^4 \, m^2 + 12 \, k1^3 \, k2 \, m^2 + 12 \, k1^2 \, k2^2 \, m^2 + 4 \, k1 \, k2^3 \, m^2 \right)}{m}} \, b \right) m^2 \right)$$

$$2 \mid 3$$

$$+ 12 \, b^2 \, k2 \, m - 4 \, k1^2 \, m^2 - 8 \, k1 \, k2 \, m^2 - 4 \, k2^2 \, m^2 - 4 \, k1 \left(\left(-72 \, k1 \, k2 \, b^2 + 36 \, k2^2 \, b^2 - 8 \, k1^3 \, m - 24 \, k1^2 \, k2 \, m \right. \right.$$

$$- 24 k1 k2^2 m - 8 k2^3 m$$

$$+ 12 \sqrt{3}$$

$$\sqrt{\frac{k2(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)}{m}} b \Big) m^2 \Bigg)$$

$$\begin{array}{l} 1|3 \\ m - 4 k2 \left(\left(-72 k1 k2 b^2 + 36 k2^2 b^2 - 8 k1^3 m - 24 k1^2 k2 m - 24 k1 k2^2 m - 8 k2^3 m \right. \right. \\ \left. \left. + 12 \sqrt{3} \right) \right.$$

$$\sqrt{\frac{k2(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)}{m}} b \Big) m^2 \Bigg)$$

$$1|3 \\ m - \left(\left(-72 k1 k2 b^2 + 36 k2^2 b^2 - 8 k1^3 m - 24 k1^2 k2 m - 24 k1 k2^2 m - 8 k2^3 m \right. \right.$$

$$+ 12 \sqrt{3}$$

$$\left. \left. \sqrt{\frac{k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)}{m}} b \right) m^2 \right)$$

$$2|3 \Big) \Big) \Bigg/ \left(12 \left(\left(-72 k1 k2 b^2 + 36 k2^2 b^2 - 8 k1^3 m - 24 k1^2 k2 m - 24 k1 k2^2 m - 8 k2^3 m \right. \right. \right.$$

$$+ 12 \sqrt{3}$$

$$\left. \left. \left. \sqrt{\frac{k2 (4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2)}{m}} b \right) m^2 \right)$$

$$\left. \begin{array}{c} 1 | 3 \\ b m \end{array} \right) \left(\begin{array}{c} \\ \\ \end{array} \right) \left(5 \left(4^2 | 3 \left(\begin{array}{c} -18k1k2b^2 + 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m \end{array} \right) \right) \right)$$

$$- 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg) ^{2 | 3} + 12b^2k2m - 4k1^2m^2 - 8k1k2m^2 - 4k2^2m^2 \Bigg)$$

$$\left(2592\sqrt{3} \right.$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k2^2 m^3$$

$$- 576 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right.$$

$$\left. \left. + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4$$

$$- 576 \sqrt{3}$$

$$\begin{aligned}
& \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right. \\
& \left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3 \right. \\
& \left. + 10368 b^2 k1^4 k2 m^4 + 31104 b^2 k1^3 k2^2 m^4 + 31104 b^2 k1^2 k2^3 m^4 + 10368 b^2 k1 k2^4 m^4 \right. \\
& \left. + 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3 \right. \\
& \left. - 5184 \sqrt{3} \right)
\end{aligned}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b^3 k1 k2 m^3$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Bigg)^{1/2} b k1^2 k2 m^4$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b k1 k2^2 m^4 \Bigg) \Bigg) - \Bigg(756 \left(48 m^3 k1^2 b^2 k2 - 12 m^3 k2^2 k1 b^2 \right.$$

$$- 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m \right. \right.$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg)^{4/3} m^2 \Bigg) + 72 m^4 k2^2 k1^2 + 36 m^2 b^4 k2^2 + 48 m^4 k1^3 k2$$

$$- 60 m^3 k2^3 b^2 + 48 m^4 k2^3 k1 - 12 4^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m \right. \right.$$

$$- 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg\}^{1/3} b^2 k1 k2 m^2 + 44^{1/3} \left(\left(-18 k1 k2 b^2 \right.$$

$$+ 9 k2^2 b^2 - 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg\}^{1/3} k1^3 m^3 + 44^{1/3} \left(\left(-18 k1 k2 b^2 + 9 k2^2 b^2 \right.$$

$$- 2 k1^3 m - 6 k1^2 k2 m - 6 k1 k2^2 m - 2 k2^3 m$$

$$+ 3 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 \right. \right. \right.$$

$$+ 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \Big) \Big) \Big)^{1/2} b \Bigg) m^2 \Bigg\}^{1/3} k2^3 m^3 + 12 m^4 k1^4 + 12 m^4 k2^4$$

$$-12\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k2 m^3 - 12 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right. \right.$$

$$- 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b \right)^{1/3} m^2 \left(b^2k2^2m^2 + 12 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 \right. \right. \right.$$

$$- 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \right)^{1/3} k1^2k2m^3 + 124^{1/3} \left(\left(-18k1k2b^2 \right. \right.$$

$$+ 9k2^2b^2 - 2k1^3m - 6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b \right) m^2 \right)^{1/3} k1k2^2m^3$$

$$- 12\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$+ 12k1^2k2^2m^2 + 4k1k2^3m^2 \left. \left. \left. \right) \right)^{1/2} b k1m^3 \right) 4^{1/3} \left(\left(-18k1k2b^2 + 9k2^2b^2 - 2k1^3m \right. \right.$$

$$-6k1^2k2m - 6k1k2^2m - 2k2^3m$$

$$+ 3\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$\left. \left. \left. + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right) ^{1/2} b \right) m^2 \Bigg)$$

³

b

$$\left(t \left(-12b^2k2m + 4k1^2m^2 + 8k1k2m^2 + 4k2^2m^2 - 2k1 \left(\left(-72k1k2b^2 + 36k2^2b^2 - 8k1^3m \right. \right. \right. \right. \right.$$

e

$$-24k1^2k2m - 24k1k2^2m - 8k2^3m$$

$$+ 12\sqrt{3}$$

$$\left. \left. \left. \sqrt{\frac{k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right)}{m}} b \right) m^2 \right)$$

$$m - 2 k_2 \left(\left(-72 k_1 k_2 b^2 + 36 k_2^2 b^2 - 8 k_1^3 m - 24 k_1^2 k_2 m - 24 k_1 k_2^2 m - 8 k_2^3 m \right. \right.$$

$$+ 12 \sqrt{3}$$

$$\left. \left. \sqrt{\frac{k_2 (4 b^4 k_2^2 + 8 b^2 k_1^2 k_2 m - 20 b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4 k_1^4 m^2 + 12 k_1^3 k_2 m^2 + 12 k_1^2 k_2^2 m^2 + 4 k_1 k_2^3 m^2)}{m}} b \right) m^2 \right)$$

$$m + \left(\left(-72 k_1 k_2 b^2 + 36 k_2^2 b^2 - 8 k_1^3 m - 24 k_1^2 k_2 m - 24 k_1 k_2^2 m - 8 k_2^3 m \right. \right.$$

$$+ 12 \sqrt{3}$$

$$\left. \left. \sqrt{\frac{k_2 (4 b^4 k_2^2 + 8 b^2 k_1^2 k_2 m - 20 b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4 k_1^4 m^2 + 12 k_1^3 k_2 m^2 + 12 k_1^2 k_2^2 m^2 + 4 k_1 k_2^3 m^2)}{m}} b \right) m^2 \right)$$

$$2^{1|3} \left) \right) \left/ \left(6 \left(\left(-72 k_1 k_2 b^2 + 36 k_2^2 b^2 - 8 k_1^3 m - 24 k_1^2 k_2 m - 24 k_1 k_2^2 m - 8 k_2^3 m \right. \right. \right. \right.$$

$$+ 12 \sqrt{3}$$

$$\left. \left. \left. \left. \sqrt{\frac{k_2 (4 b^4 k_2^2 + 8 b^2 k_1^2 k_2 m - 20 b^2 k_1 k_2^2 m - b^2 k_2^3 m + 4 k_1^4 m^2 + 12 k_1^3 k_2 m^2 + 12 k_1^2 k_2^2 m^2 + 4 k_1 k_2^3 m^2)}{m}} b \right) m^2 \right) \right)$$

$$1 \mid 3 \\ b m \Bigg)$$

$$5 \left(2592 \sqrt{3} \right)$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 \right. \right. \right.$$

$$- 576\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k1^3 m^4 \right)$$

$$- 576\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b k2^3 m^4 + 20736 b^4 k1^2 k2^2 m^3 - 51840 b^4 k1 k2^3 m^3 \right)$$

$$+ 10368 b^2 k_1^4 k_2 m^4 + 31104 b^2 k_1^3 k_2^2 m^4 + 31104 b^2 k_1^2 k_2^3 m^4 + 10368 b^2 k_1 k_2^4 m^4$$

$$+ 10368 b^6 k2^3 m^2 - 2592 b^4 k2^4 m^3$$

$$- 5184 \sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4 b^4 k2^2 + 8 b^2 k1^2 k2 m - 20 b^2 k1 k2^2 m - b^2 k2^3 m + 4 k1^4 m^2 + 12 k1^3 k2 m^2 + 12 k1^2 k2^2 m^2 + 4 k1 k2^3 m^2 \right) \right)^{1/2} b^3 k1 k2 m^3 \right)$$

$$-1728\sqrt{3}$$

$$\left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k1^2 k2 m^4 \right.$$

$$- 1728\sqrt{3}$$

$$\left. \left(\frac{1}{m} \left(k2 \left(4b^4k2^2 + 8b^2k1^2k2m - 20b^2k1k2^2m - b^2k2^3m + 4k1^4m^2 + 12k1^3k2m^2 + 12k1^2k2^2m^2 + 4k1k2^3m^2 \right) \right)^{1/2} b k1 k2^2 m^4 \right) \right\}$$