

Full Analysis

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Melt Curve Results

Concentration (M)	dH (kcal/mol)	dS (cal/K·mol)	dG (kcal/mol, 37°C)	Tm (°C)
5.147e-04	-56.99	-157.93	-8.01	56.30
1.177e-04	-54.89	-151.24	-7.98	51.21
2.402e-05	-55.33	-152.23	-8.11	45.99
2.956e-04	-57.15	-158.36	-8.03	54.33
7.386e-05	-58.02	-161.59	-7.91	48.33
1.683e-05	-57.08	-158.53	-7.92	43.32
1.755e-04	-54.92	-152.37	-7.66	50.76
5.525e-05	-1090.36	-3076.51	-136.18	79.03
1.202e-05	-52.81	-146.83	-7.27	38.71
Averages:	-170.84	-479.51	-22.12	52.00

Analysis of Melt Curve Fits/Errors

dH (kcal/mol)	dS (cal/K·mol)	dG (kcal/mol, 37°C)	Tm (°C, 1.0e-4M)
-170.84 ± 344.824	-479.51 ± 973.888	-22.12 ± 42.773	70.0

Analysis of Tm Dependence/Errors

dH (kcal/mol)	dS (cal/K·mol)	dG (kcal/mol, 37°C)	Tm (°C, 1.0e-4M)
-59.08 ± 48.349	-162.98 ± 140.637	-8.53 ± 6.621	52.8