TABLE 4 The Standard State Enthalpy Change (ΔH^0/ kJ·mol^{-1}) and Entropy Change (ΔS^0/ kJ·mol^{-1}·K^{-1}) of the First Dissociation Constants of the Studied Amines

Amine	**ΔH^0 (kJ·mol^{-1})**	**ΔS^0 (kJ·mol^{-1}·K^{-1})**
3-(Diethylamino) Propylamine	46.05	-0.05
1,3-Diaminopentane	52.40	-0.02
3-Butoxypropylamine	52.83	-0.01
2-(methylamino) Ethanol	44.27	-0.04
Bis(2-methoxyethyl) Amine	39.21	-0.03
α-Methylbenzylamine	58.30	0.02
2-Aminoheptane	130.9	0.24
3-Amino-1-PhenylButane	65.68	0.03