

	Cluster process	$\Delta G_{-25^\circ\text{C}}$ (kcal mol ⁻¹)	$\Delta G_{5^\circ\text{C}}$ (kcal mol ⁻¹)	$\Delta G_{25^\circ\text{C}}$ (kcal mol ⁻¹)
Neutral	C ₁₀ + C ₁₀	-7.3	-5.7	-4.7
	C ₁₀ + C ₂₀	-3.2	-2.1	-1.4
Positive	C ₁₀ + NH ₄ ⁺	-23.4	-22.5	-21.8
	C ₂₀ + NH ₄ ⁺	-31.8	-30.9	-30.2
	C ₁₀ + C ₁₀ · NH ₄ ⁺	-12.9	-11.7	-10.9
	C ₂₀ + C ₁₀ · NH ₄ ⁺	-26.0	-24.3	-23.3
	C ₁₀ + C ₂₀ · NH ₄ ⁺	-17.6	-15.9	-14.8
Negative	C ₁₀ + C ₁₀ ⁻	-22.2	-20.9	-20.1
	C ₂₀ + C ₁₀ ⁻	-21.3	-19.9	-18.9
	C ₁₀ + NO ₃ ⁻	-27.3	-25.9	-25.1
	C ₂₀ + NO ₃ ⁻	-26.9	-25.6	-24.7
	C ₁₀ + C ₁₀ · NO ₃ ⁻	-11.3	-10.1	-9.2