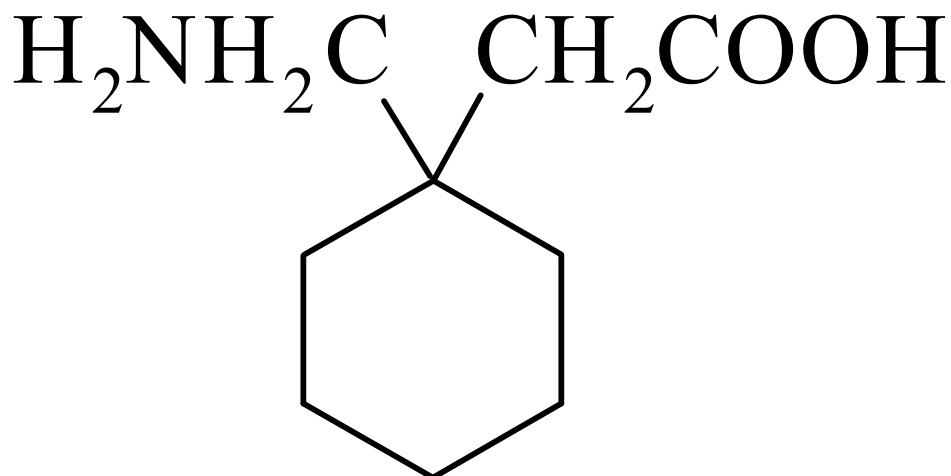




>>Entry Name: 1-(Aminomethyl)cyclohexaneacetic acid, 9CI

Synonym(s): Gabapentin, BAN, INN, USAN. Aclonium. Neurontin. CI 945. Goe 3450



CAS Registry Number: 60142-96-3

Molecular Formula: $\text{C}_9\text{H}_{17}\text{NO}_2$

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

Biological Use/Importance: CNS depressant, anticonvulsant. GABA-like amino acid which penetrates the blood-brain barrier

Physical Description: Cryst. (EtOH/Et₂O)

Development Status: Marketed drug. Launched 1993 (UK). Worldwide 28th best selling prescription drug (\$1.33 bn) (Pfizer) (2000, Pharma Business)

Melting Point: Mp 162-166°

Calculated Log P Data: Log P -1.22 (calc)

>>Derivative: Hydrochloride

CAS Registry Number: 60142-95-2

Physical Description: Cryst. (Me₂CO/MeOH/Et₂O)

Melting Point: Mp 122-123° (117-118°)

References: