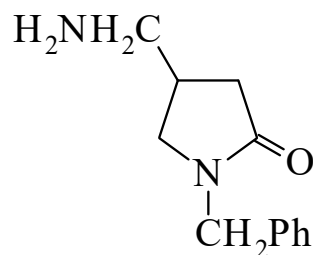




>>Entry Name: Nebracetam, INN

Synonym(s): 4-(Aminomethyl)-1-(phenylmethyl)-2-pyrrolidinone, 9Cl. 4-(Aminomethyl)-1-benzyl-2-pyrrolidinone. WEB 1881-FU



CAS Registry Number: 97205-34-0

Related CAS Registry Numbers(s): 97205-35-1 103295-62-1 142116-34-5 142116-35-6

Molecular Formula: C₁₂H₁₆N₂O

Molecular Weight: 204.271

Accurate Mass: 204.126263

Percentage Composition: C 70.56%; H 7.89%; N 13.71%; O 7.83%

Use/Importance: Central cholinergic agent which enhances cognition and cerebral metabolism. Investigated for treatment of Alzheimer's disease. Neuroprotective

Calculated Log P Data: Log P -0.33 (uncertain value) (calc)

>>Variant: (+)-form

CAS Registry Number: 103295-62-1

Molecular Formula: C₁₂H₁₆N₂O

Molecular Weight: 204.271

Accurate Mass: 204.126263

Percentage Composition: C 70.56%; H 7.89%; N 13.71%; O 7.83%

Optical Rotation: [α]_D +8.4 (c, 1.0 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 116041-13-5

Molecular Formula: C₁₂H₁₆N₂O

Molecular Weight: 204.271

Accurate Mass: 204.126263

Percentage Composition: C 70.56%; H 7.89%; N 13.71%; O 7.83%

>>Derivative: Fumarate

CAS Registry Number: 116041-15-7

Melting Point: Mp 192-194°

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