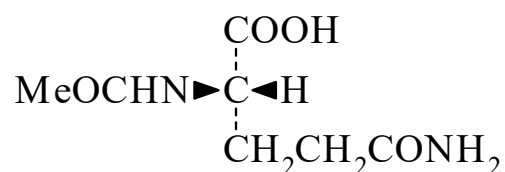




>>Entry Name: Aceglutamide, INN, JAN

Synonym(s): N^2 -Acetylglutamine, 9CI. 2-(Acetylamino)glutaramidic acid. Acutil/S



Molecular Formula: C₇H₁₂N₂O₄

Molecular Weight: 188.183

Accurate Mass: 188.079708

Percentage Composition: C 44.68%; H 6.43%; N 14.89%; O 34.01%

General Statement: Strictly, the name Aceglutamide applies to the (S)-form

Use/Importance: Psychostimulant; used to improve memory and concentration

Calculated Log P Data: Log P –2.55 (calc)

>>Variant: (S)-form

CAS Registry Number: 2490-97-3

Molecular Formula: C₇H₁₂N₂O₄

Molecular Weight: 188.183

Accurate Mass: 188.079708

Percentage Composition: C 44.68%; H 6.43%; N 14.89%; O 34.01%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 197°

Optical Rotation: $[\alpha]_D^{20}$ –12.5 (c, 2.9 in H₂O)

Other Data: Component of Acinetil Bebibile, Centrum, Fosfoglutit, Levaliver, Memovisus, Neurocordin, Sustenium, Teovit, Tonogen, Tonoplus

Fluka: 1150

Sigma: A9125

>>Derivative: Al(III) complex

Synonym(s): Aceglutamide aluminum, JAN, USAN. Pentakis(N^2 -acetyl-L-glutaminato)tetrahydroxytrialuminium. KW 110. Glumal. AGA

CAS Registry Number: 12607-92-0

Molecular Formula: C₃₅H₅₉Al₃N₁₀O₂₄

Molecular Weight: 1084.848

Accurate Mass: 1084.314992

Percentage Composition: C 38.75%; H 5.48%; Al 7.46%; N 12.91%; O 35.40%

Use/Importance: Antiulcerative and gastric cytoprotective agent

Physical Description: White powder

Melting Point: Mp 221 dec.°

References:

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