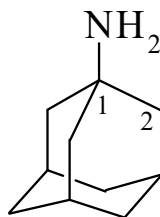




>>Entry Name: 1-Aminoadamantane

Synonym(s): Tricyclo[3.3.1.1^{3,7}]decan-1-amine, 9Cl. 1-Adamantanamine, 8Cl. **Amantadine**, BAN, INN. Midantan



CAS Registry Number: 768-94-5

Related CAS Registry Numbers(s): 31377-23-8

Molecular Formula: C₁₀H₁₇N

Molecular Weight: 151.251

Accurate Mass: 151.136099

Percentage Composition: C 79.41%; H 11.33%; N 9.26%

Use/Importance: Antiviral agent; prophylactic drug for influenza. Also has antiparkinsonian props.

Melting Point: Mp 180-192 subl.° (sealed tube)

Solubility: Spar. sol. H₂O

pKa Value: pK_{a1} 10.58 (25°)

Calculated Log P Data: Log P 2 (calc)

Aldrich: 13857-6

Fluka: 6649

Sigma: A9406

>>Derivative: Hydrochloride

Synonym(s): **Amantadine hydrochloride**, JAN, USAN. Mantadine. Symadine. Symmetrel. NSC 83653. Many other names

CAS Registry Number: 665-66-7

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 360 dec.°

Solubility: Sol. H₂O, EtOH; prac. insol. Et₂O

Hazard & Toxicity: Mild adverse CNS and other effects reported when used therapeutically. Human teratogen. LD₅₀ (rat, orl) 800 mg/kg. Exp. reprod. effects

Aldrich: 11519-3

Fluka: 6651

Sigma: A1260

>>Derivative: Fumarate salt

CAS Registry Number: 80789-67-9

Melting Point: Mp 264° (dec.)

>>Derivative: Ac

CAS Registry Number: 880-52-4

Molecular Formula: C₁₂H₁₉NO

Molecular Weight: 193.288

Accurate Mass: 193.146664

Percentage Composition: C 74.57%; H 9.91%; N 7.25%; O 8.28%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 149°

Aldrich: 13710-3

Rare Chemicals Library: S66986-5

Sigma: A5033