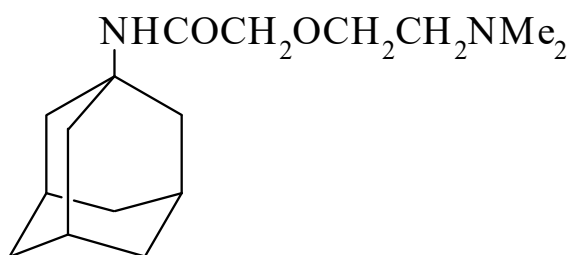




>>Entry Name: Tromantadine, INN

Synonym(s): 2-[2-(Dimethylamino)ethoxy]-N-tricyclo[3.3.1.1^{3,7}]dec-1-ylacetamide, 9CI. N-1-Adamanty1-2-[(2-dimethylamino)ethoxy]acetamide



CAS Registry Number: 53783-83-8

Related CAS Registry Numbers(s): 31635-40-2

Molecular Formula: C₁₆H₂₈N₂O₂

Molecular Weight: 280.409

Accurate Mass: 280.215078

Percentage Composition: C 68.53%; H 10.06%; N 9.99%; O 11.41%

Use/Importance: Antiviral agent; used topically for the treatment of herpes simplex infections

Calculated Log P Data: Log P 1.85 (calc)

>>Derivative: Hydrochloride

Synonym(s): Viro Serol. Viru-Merz-Serol. Viruserol. Vir-Merz. D41

CAS Registry Number: 41544-24-5

Physical Description: Cryst.

Melting Point: Mp 157-158°

Hazard & Toxicity: LD₅₀ (rat, orl) 630 mg/kg. LD₅₀ (mus, ivn) 71 mg/kg

References:

Ger. Pat., 1971, *Merz*, 1 941 218; *CA*, **74**, 99516k, (*synth*)

May, G. *et al.*, *Arzneim.-Forsch.*, 1973, **23**, 577; 718, (*synth, pharmacol*)

Rosenthal, K.S. *et al.*, *Antimicrob. Agents Chemother.*, 1982, **22**, 1031, (*pharmacol*)

Koppel, C. *et al.*, *Biomed. Mass Spectrom.*, 1985, **12**, 497, (*metab*)

Ickes, D.E. *et al.*, *Antiviral Res.*, 1990, **14**, 75

Diezel, W. *et al.*, *Arzneim.-Forsch.*, 1993, **43**, 491, (*clin trial*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 557

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, AEF500