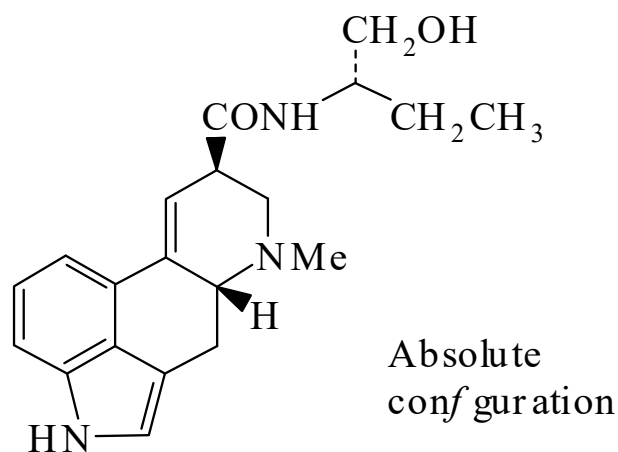




>>>Entry Name: Methylergometrine, BAN, INN

Synonym(s): 9,10-Didehydro-*N*-[1-(hydroxymethyl)propyl]-6-methylergoline-8-carboxamide, 9Cl. *N*-[1-(Hydroxymethyl)propyl]-D-lysergamide. D-Lysergic acid-(+)-butanolamide-(2). Methylergobasine. Methylergobrevine. Methylergonovine



CAS Registry Number: 113-42-8

Related CAS Registry Numbers(s): 7054-07-1

Molecular Formula: C₂₀H₂₅N₃O₂

Molecular Weight: 339.436

Accurate Mass: 339.194677

Percentage Composition: C 70.77%; H 7.42%; N 12.38%; O 9.43%

Use/Importance: Uterine stimulant

Physical Description: Prisms (MeOH/Me₂CO)

Melting Point: Mp 172°

Optical Rotation: [α]_D -45 (Py)

Calculated Log P Data: Log P 1.55 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 93 mg/kg. Exp. reprod. effects

>>>Derivative: Hydrogen maleate

Synonym(s): Methylergonovine maleate, USAN. Elamidon. Ergobacin. Ergotyl. Levospan. Methergin. Myomergin. Ryegonouin. Utergine. Many other names

CAS Registry Number: 57432-61-8

Hazard & Toxicity: Human reprod. and teratogenic effects (ims administration). LD₅₀ (rat, orl) 93 mg/kg

Sigma: M2776

References:

Stoll, A. *et al.*, *Helv. Chim. Acta*, 1943, **46**, 944, (*synth*)

Coombs, R.A., *Arch. Mass Spectral Data*, 1971, **2**, 748, (*ms*)

Mantyla, R. *et al.*, *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1981, **19**, 386, (*rev*)

Bredberg, U. *et al.*, *Eur. J. Clin. Pharmacol.*, 1986, **30**, 75, (*pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 5808

Sittig, M., *Pharmaceutical Manufacturing Encyclopaedia*, 2nd Ed., Noyes Publications, New Jersey, 1988, 993

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1388

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MJV750; PAM000