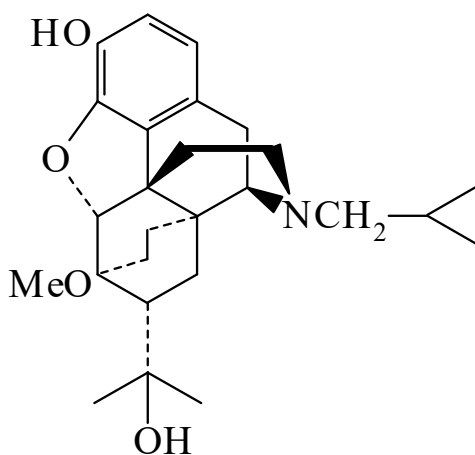




>>Entry Name: Diprenorphine, BAN, INN

Synonym(s): 17-(Cyclopropylmethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy- α,α -dimethyl-6,14-ethanomorphinan-7-methanol, 9CI



CAS Registry Number: 14357-78-9

Type of Compound Code(s): XA5740

Molecular Formula: $C_{26}H_{35}NO_4$

Molecular Weight: 425.567

Accurate Mass: 425.256609

Percentage Composition: C 73.38%; H 8.29%; N 3.29%; O 15.04%

Use/Importance: High affinity, non-selective, opioid receptor antagonist. Antagonist to narcotic analgesics

Melting Point: Mp 185°

Calculated Log P Data: Log P 1.87 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Diprenorphine hydrochloride, BAN. Revivon. M 5050

CAS Registry Number: 16808-86-9

Hazard & Toxicity: LD₅₀ (mus, scu) 316 mg/kg

References:

- Bentley, K.W. *et al.*, *J.A.C.S.*, 1967, **89**, 3281, (*synth*)
Blane, G.F. *et al.*, *J. Pharm. Pharmacol.*, 1968, **20**, 547, (*pharmacol*)
Lewis, J.W. *et al.*, *J. Med. Chem.*, 1970, **13**, 525, (*synth, props*)
Robinson, F.M., *Annu. Rep. Med. Chem.*, 1972, **7**, 31, (*rev*)
Takemori, A.E. *et al.*, *Eur. J. Pharmacol.*, 1972, **20**, 85, (*pharmacol*)
Carroll, F.I. *et al.*, *J.O.C.*, 1976, **41**, 996, (*cmr*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 681