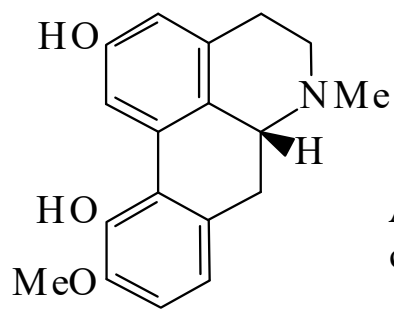




>>Entry Name: **Morphothebaine**

Synonym(s): 5,6,6a,7-Tetrahydro-10-methoxy-6-methyl-4*H*-dibenzo[*de,g*]quinoline-2,11-diol, 9Cl. 2,11-Dihydroxy-10-methoxyaporphine



Absolute
configuration

CAS Registry Number: 478-53-5

Related CAS Registry Numbers(s): 77629-99-3 77630-00-3

Molecular Formula: C₁₈H₁₉NO₃

Molecular Weight: 297.353

Accurate Mass: 297.136494

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Source/Synthesis: Prepared from Codeinone [CFQ86-I](#) or Thebaine [BCL24-J](#)

Use/Importance: Adenylate cyclase inhibitor

Melting Point: Mp 197-198°

Optical Rotation: [α]_D¹⁵ -130 (EtOH)

>>**Derivative:** Hydrochloride

CAS Registry Number: 6032-66-2

Optical Rotation: [α]_D²⁰ -43.6 (c, 0.699 in H₂O)

References:

Pschorr, R. *et al.*, *Ber.*, 1907, **40**, 2004, (*struct, synth*)

Gulland, J.M. *et al.*, *J.C.S.*, 1928, 2083, (*struct, synth*)

Green, J.F. *et al.*, *J. Pharm. Sci.*, 1980, **69**, 936, (*ms*)

Neumeyer, J.L. *et al.*, *J. Med. Chem.*, 1981, **24**, 1440; 1982, **25**, 990, (*synth, pharmacol*)

Ram, V.J. *et al.*, *J.O.C.*, 1981, **46**, 2830, (*synth*)

Shen, R.S. *et al.*, *J. Biol. Chem.*, 1984, **259**, 8994, (*pharmacol*)