



(R)-(+)-Corypalmine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (R)-(+)-Corypalmine

Catalog No.: CFN90143

Cas No.: 13063-54-2

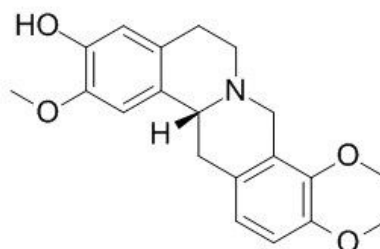
Purity: >=98%

M.F: C₂₀H₂₃NO₄

M.W: 341.40

Physical Description: Powder

Synonyms: 2,9,10-Trimethoxy-5,8,13,13a-tetrahydro-6H-isoquino[3,2-a]isoquinolin-3-ol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The roots of *Coptis chinensis* Franch.

[Biological Activity or Inhibitors]

(-)-Corypalmine has inhibition activity on spore germination of plant pathogenic and

saprophytic fungi (*Alternaria solani*, *A. brassicicola*, *A. brassicae*, *A. melongenae*, *Curvularia pallescens*, *C. lunata*, *C. maculans*, *Curvularia* sp., *Colletotrichum* sp., *Helminthosporium speciferum*, *H. frumentacei*, *H. penniseti*, *Heterosporium* sp., *Penicillium* sp., *Ustilago cynodontis*).^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-Methanol-10mM Ammonium phosphate (pH=3.0) =10:30:60 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 230 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Maurya S, Srivastava J S, Jha R N, *et al. Folia Microbiol.*, 2002, 47(3):287-90.

[2] Abdallah I A, Huang P, Liu J, *et al. Biomed. Chromatogr. BMC*, 2016, 9, 8. doi: 10.1002

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