

(-)-Isocorypalmine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (-)-Isocorypalmine

Catalog No.: CFN90582

Cas No.: 483-34-1

Purity: >=98%

M.F: C₂₀H₂₃NO₄

M.W: 341.4

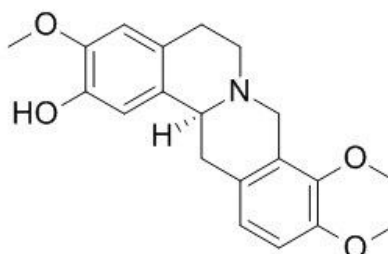
Physical Description: Powder

Synonyms: (S)-Isocorypalmine; l-Isocorypalmine; l-Tetrahydrocolumbamine;

(13aS)-3,9,10-Trimethoxy-5,6,13,13a-tetrahydro-8H-dibenzo[a,g]quinolizine-2-ol;

[13aS,(-)]-5,8,13,13a-Tetrahydro-3,9,10-trimethoxy-6H-dibenzo[a,g]quinolizine-2-ol;

(S)-Tetrahydrocolumbamine.



[Intended Use]

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

[Source]

The tubers of *Corydalis yanhusuo* W. T. Wang.

[Biological Activity or Inhibitors]

l-isocorypalmine (l-ICP), a mono-demethylated analog of l-tetrahydropalmatine (l-THP) isolated from the plant *Corydalis yanhusuo*, l-ICP likely acts as a D1 partial agonist and a D2 antagonist to produce its in vivo effects and may be a promising agent for treatment of cocaine addiction.^[1]

(-)-Isocorypalmine has significant antifungal activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Ethanol- H₂O=50:50 ;

Flow rate: 0.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Xu W, Wang Y, Ma Z, *et al. Drug Alcohol Depen.*, 2013, 133(2):693- 703.

[2] Sahni S, Maurya S, Jha R N, *et al. Mycobiology*, 2004, 32(4):160-3.

[3] Ma Z Z, Xu W, Jensen N H, *et al. Molecules*, 2008, 13(9):2303-12.

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