

Corydaline Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Corydaline

Catalog No.: CFN90196

Cas No.: 518-69-4

Purity: >=98%

M.F: C₂₂H₂₇NO₄

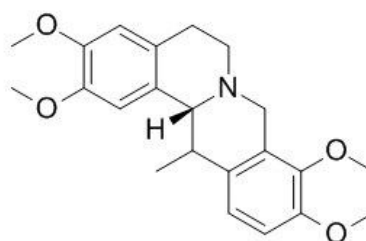
M.W: 369.45

Physical Description: Powder

Synonyms: (13s-e)-thyl;2,3,9,10-tetramethoxy-13- α -methyl-13a- β -berbin;

2,3,9,10-Tetramethoxy-13-methyl-berbin;6H-dibenzo(a,g)quinolizine,5,8,13,13a-tetrahydr

o-2,3,9,10-tetramethoxy-13-me.



[Intended Use]

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

[Source]

The tubers of *Corydalis ambigua*.

[Biological Activity or Inhibitors]

Corydaline is a bioactive alkaloid with various antiacetylcholinesterase, antiallergic, and antinociceptive activities found in the medicinal *herb Corydalis Tubers*, it should be evaluated for potential pharmacokinetic drug interactions in vivo due to potent inhibition of CYP2C19 and CYP2C9.^[1]

Corydaline promotes gastric emptying and small intestinal transit and facilitates gastric accommodation.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.04% Ammonium acetate(acetic acid tone p H 4.0),gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Ji H Y, Liu K H, Lee H, *et al. Molecules*, 2011, 16(8):6591-602.

[2] Taeho L, Miwon S, Sunyeou K. *Biol. Pharmaceut. Bull.*, 2010, 33(6):958-62.

[3] Li S S, Xu J , Zhang T J, *et al. Chinese Traditional & Herbal Drugs*, 2015, 46(21): 3198-201.

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