

Wilfordine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Wilfordine

Catalog No.: CFN92103

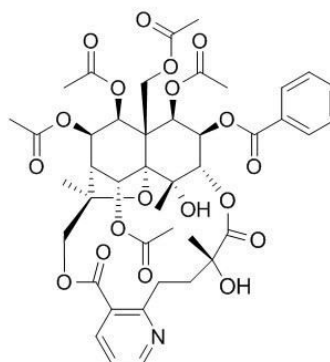
Cas No.: 37239-51-3

Purity: > 95%

M.F: C₄₃H₄₉NO₁₉

M.W: 883.9

Physical Description: Powder



Synonyms: (1S,3R,18S,19R,20R,21R,22S,23R,24R,25R,26S)-20,22,23,25-tetrakis(acetyloxy)-21-[(acetyloxy)methyl]-15,26-dihydroxy-3,15,26-trimethyl-6,16-dioxo-2,5,17-trioxo-11-azapentacyclo[16.7.1.0~1,21~.0~3,24~.0~7,12~]hexacosa-7,9,11-trien-19-yl-benzoate

[Intended Use]

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

[Source]

The roots of *Tripterygium wilfordii* Hook. f.

[Biological Activity or Inhibitors]

Wilfordine is an insecticidally active alkaloid, Na⁺-K⁺-ATPase may be an acting target of wilfordine against some larvae of insect.^[1,2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 0.02 M Potassium dihydrogen phosphate in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Jr F A, Haller H L. *J. Am. Chem. Soc.*, 1950, 72(4):1608-11.

[2] Hu Z N, Cheng D, Dai Y L, *et al. Chinese Journal of Pesticide Science*, 2008, 10(1): 75-9.

[3] Chen L, Wang K, Chen J, *et al. Chinese Journal of Pharmaceutical Analysis*, 2007, 27(2):191-3.

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