

Wilforine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Wilforine

Catalog No.: CFN99207

Cas No.: 1188281-99-3

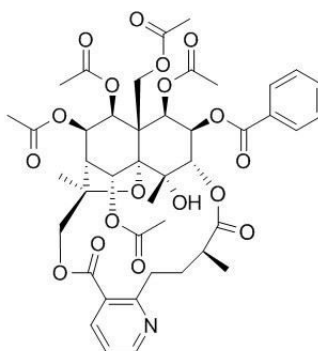
Purity: > 98%

M.F: C₄₃H₄₉NO₁₈

M.W: 867.9

Physical Description: Powder

Synonyms: 26-Deoxywilfordine.



[Intended Use]

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

[Source]

The vines of *Tripterygium wilfordii*.

[Biological Activity or Inhibitors]

Wilfordine and wilforine have insecticidal activity by inhibiting the Na⁺-K⁺-ATPase in the central nervous system.^[1]

Wilforine has anti-inflammatory effect, which might be mediated by down-regulation of the expression of inflammatory factors TNF- α , IL-6 and NO.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.02 M Potassium dihydrogen phosphate, 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] Hu Z N, Cheng D, Dai Y L, *et al. Chinese Journal of Pesticide Science*, 2008, 10(1): 75-9.

[2] Yang L N, Liu Z H, Zhang J, *et al. Chinese Journal of Hospital Pharmacy*, 2014, 34(14): 1164-7.

[3] Chen L Z, Wang K J, Chen J M, *et al. Acta Agriculturae Zhejiangensis*, 2006, 18(5): 325-7.

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