

Symphytine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Symphytine

Catalog No.: CFN00262

Cas No.: 22571-95-5

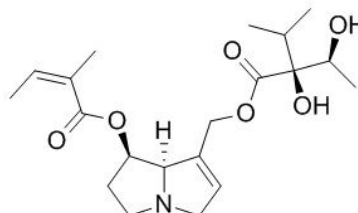
Purity: >95%

M.F: C₂₀H₃₁NO₆

M.W: 381.47

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The herbs of *Symphytum peregrinum* Ledeb.

[Biological Activity or Inhibitors]

Symphytine and senkirkine, the pyrrolizidine alkaloids, have carcinogenicity.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-15 mM Ammonia water solution, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Hirono I, Haga M, Fujii M, *et al. J. Natl. Cancer.*, 1979, 63(2):469-72.

[2] Mroczek T, Ndjoko-loset K, Głowniak K, *et al. Anal. Chim. Acta*, 2006, 566(2):157-66.

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