

Integerrimine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Integerrimine

Catalog No.: CFN00419

Cas No.: 480-79-5

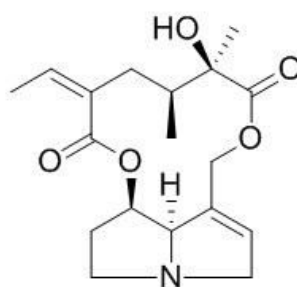
Purity: > 95%

M.F: C₁₈H₂₅NO₅

M.W: 335.40

Physical Description: Powder

Synonyms: (15E)-12-Hydroxysenecionan-11,16-dione; (20E)-12-Hydroxysenecionan-11,16-dione; Squalidine.



[Intended Use]

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

[Source]

The herbs of *Senecio scandens* Buch.-Ham. ex D. Don.

[Biological Activity or Inhibitors]

Integerrimine (ITR), a pyrrolizidine alkaloid from *Senecio brasiliensis*, has recombinagenic activity in somatic cells of *Drosophila melanogaster*, suggests that ITR shows the genotoxic activity.^[1]

Integerrimine has antimitotic action in rats.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O-Phosphoric acid-Triethylamine=30:70:0.1:0.05;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 213 nm.

[Storage]

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

[References]

[1] Campesato V R, Graf U, Reguly M L. *Environ. Mol.Mutagen.*, 1997, 29(1):91-7.

[2] Nardi, N. B, Gimmler, *et al. Rev.Bras.Genét*, 1980, 3(4):387-93.

[3] Xu Y H, Xu L Y, Cai D G, *et al.Chin. Trad. Patent Med.*, 2004, 26(6):444-6.

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