

Secologanin dimethyl acetal Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Secologanin dimethyl acetal

Catalog No.: CFN97683

Cas No.: 77988-07-9

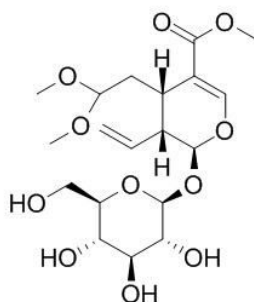
Purity: > 95%

M.F: C₁₉H₃₀O₁₁

M.W: 434.44

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The flower of *Lonicera japonica* Thunb.

[Biological Activity or Inhibitors]

Secologanoside-7- methyl ester shows promising antifungal activity against *Candida*

glaberata, *Microsporium canis* and *Trichophyton longifusus*.^[1]

Secologanoside-7- methyl ester shows moderate in vitro antitumour activity against human promyelocytic leukemia (HL-60) cells.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 232 nm.

[Storage]

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

[References]

[1] Ali I, Khan D, Ali F, *et al. Journal- Chemical Society of Pakistan*, 2013, 35(1):139-43.

[2] Wang Y, Wei Q, Yang L, *et al. J. Chem. Res.* 2003, 2003(10):676-7.

[3] Eunju L, Jooyoung L, Jusun K, *et al. Natl. Prod. Sci.*, 2010, 16(1):32-8.

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