



Seneciphylline N-oxide Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Seneciphylline N-oxide

Catalog No.: CFN98618

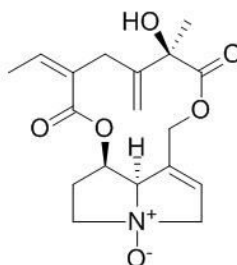
Cas No.: 38710-26-8

Purity: > 95%

M.F: C₁₈H₂₃NO₆

M.W: 349.38

Physical Description: Powder



Synonyms: (6R,14aR,14bR)-3-ethylidene-6-hydroxy-6-methyl-5-methylidene-3,4,5,6,9,11,13,14,14a,14b-decahydro[1,6]dioxacyclododecino[2,3,4-gh]pyrrolizine-2,7-dione 12-oxide.

[Intended Use]

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

[Source]

The herbs of *Senecio scandens*.

[Biological Activity or Inhibitors]

Seneciophylline N-oxide and senecionine N-oxide are probably tumorigenic due to their potential conversion into seneciophylline and senecionine via metabolic reduction in the body.^[1]

[Solvent]

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

[HPLC Method]^[2]

HPLC-MS:

Mobile phase: 0.03% Aqueous diethylamine -Acetonitrile=25:75 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Temperature of nitrogen drying gas: 180°C;

Flow rate of gas : 6.0 L/min;

Ion spray voltage:5000V.

[Storage]

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

[References]

[1] Li S L, Lin G, Fu P P, *et al. Rapid Commun. Mass Sp.*, 2008, 22(4):591-602.

[2] Lin G, Li S L, Li M, *et al. Planta Med.*, 2009, 75(10):1107-11.

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