

Pterisolic acid B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pterisolic acid B

Catalog No.: CFN97976

Cas No.: 1401419-86-0

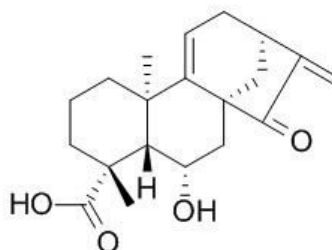
Purity: >=98%

M.F: C₂₀H₂₆O₄

M.W: 330.4

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 *Pteris semipinnata*.

[Biological Activity or Inhibitors]

Pterisolic acid B (J19), a naturally occurring diterpenoid, is an effective Nrf2 activator. we

have also identified a more potent natural product analogue J19-1, J19-1 shows significant cytoprotective effect against cisplatin-induced cytotoxicity in HKC cells.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Trichloromethane- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 276 nm.

[Storage]

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

[References]

[1] Dong T, Liu W, Shen Z, *et al. Sci. Rep.-UK*, 2016, 6,19231..

[2] Wang F, Li Y J, Ren F C, *et al. ChemInform*, 2011, 59(38):484-7.

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