

(-)-beta-Peltatin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (-)-beta-Peltatin

Catalog No.: CFN92699

Cas No.: 518-29-6

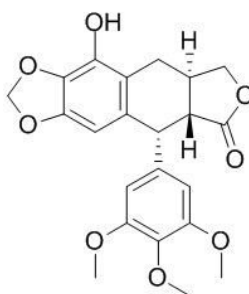
Purity: > 95%

M.F: C₂₂H₂₂O₈

M.W: 414.4

Physical Description: Powder

Synonyms: (5R)-5a,8,8aa,9-Tetrahydro-10-hydroxy-5-(3,4,5-trimethoxyphenyl)furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-6(5abH)-one.



[Intended Use]

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

[Source]

The herbs of *Podophyllum peltatum*.

[Biological Activity or Inhibitors]

Alpha-peltatin, beta-peltatin, and podophyllotoxin have significant tumor damaging effects (growth inhibition) against transplanted tumours and into rats bearing a transplanted carcinoma.^[1]

Beta-peltatin and desoxypodophyllotoxin produce marginal antiviral effects.^[2]

Beta-peltatin in D-galactosamine-induced liver lesion has shown marked protective actions. ^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Chloroform containing 1.8% ethanol, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Waravdekar V S, Domingue A, Leiter J. *J. Natl. Cancer I.*, 1952, 13(2):393-407.

[2] Bedows E, Hatfield G M. *J. Nat. Prod.*, 1982, 45(6):725-9.

[3] Kiso Y, Konno C, Hikino H, *et al. Journal of Pharmacobio-Dynamics*, 1982, 5(8): 638-41.

[4] Treppendahl S, Jakobsen P. *J. Chromatogr. A*, 1980, 189(2):276-8.

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