[ Product Information ]

Name: Hypericin
Catalog No.: CFN99188
Cas No.: 548-04-9
Purity: >98%
M.F: C30H16O8
M.W: 504.45

Physical Description: Yellow powder

Synonyms: 1,3,4,6,8,13-Hexahydroxy-10,11-dimethylphenanthro[1,10,9,8-opqra]perylen-7,14-dione.

[ Intended Use ]

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

[ Source ]

The herb of Hypericum perforatum L.
**[Biological Activity or Inhibitors]**

Hypericin, a powerful naturally occurring photosensitizer, it can induce both apoptosis and necrosis in a concentration and light dose-dependent fashion, moreover, photodynamic therapy with hypericin results in the activation of multiple pathways that can either promote or counteract the cell death program.[1]

Hypericin and pseudohypericin show potent antiretroviral activity including anti-human immunodeficiency virus, which could be attributable to the inhibition of some phosphorylation involved by protein kinase C during viral infection of cells.[2]

Solubilized hypericin and pseudohypericin exert antidepressant activity in the forced swimming test. [3]

**[Solvent]**

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

**[HPLC Method]**[4]

Mobile phase: Acetonitrile-Methanol-10 mM Ammonium acetate (pH 5.0)=54:36:10 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 ℃;

The wave length of determination: 590 nm.

**[Storage]**

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

**[References]**


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