

## Pseudohypericin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Pseudohypericin

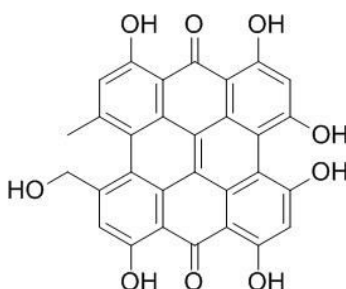
**Catalog No.:** CFN99591

**Cas No.:** 55954-61-5

**Purity:** >=98%

**M.F:** C<sub>30</sub>H<sub>16</sub>O<sub>9</sub>

**M.W:** 520.44



**Physical Description:** Yellow powder

**Synonyms:** 1,3,4,6,8,13-Hexahydroxy-10-(hydroxymethyl)-11-methylphenanthro[1,10,9,8-opqra]perylene-7,14-dione.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Hypericum perforatum* L.

### [ Biological Activity or Inhibitors ]

Pseudohypericin and hypericin, the major photosensitizing constituents of *Hypericum perforatum*, have photocytotoxic effect .<sup>[1]</sup>

Pseudohypericin has antiretroviral activity, it has potential therapeutic value in diseases such as AIDS. <sup>[2]</sup>

Pseudohypericin can inhibit LPS-stimulated PGE2 and NO in mouse macrophages by potentiating suppressor of cytokine signaling 3 (SOCS3) expression, it has anti-tumor potential.<sup>[3]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: Methanol -Phosphate buffer solution=65:35;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 590 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Vandenbogaerde A L, Kamuhabwa A, Delaey E, *et al. J.Photoch.Photobiol. B* , 1998, 45(2-3):87-94.

[2] Lavie G, Valentine F, Levin B, *et al. P. Natl. Acad. Sci.*, 1989, 86(15):5963-7.

[3] Huang N, Hauck C, Rizshsky L, *et al. Cancer Prev. Res.*, 2010, 3(12 Supplement).

[4] Mao H S, Jiang Y H . *Journal of Shanxi Medical University*, 2001, 32(4):313-4.

### **[ Contact ]**

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