

Isopimpinellin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isopimpinellin

Catalog No.: CFN98752

Cas No.: 482-27-9

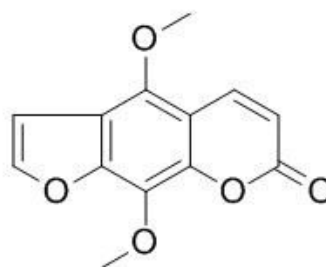
Purity: > 98%

M.F: C₁₃H₁₀O₅

M.W: 246.2

Physical Description: Yellow powder

Synonyms: 5,8-Dimethoxypsoralen; 4,9-Dimethoxypsoralen; 4,9-dimethoxy-7-furo[3,2-g][1] benzopyranone; 4,9-Dimethoxy-7-oxofuro[3,2-g]chromene.



[Intended Use]

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

[Source]

The roots of *Pimpinella saxifrage*.

[Biological Activity or Inhibitors]

Isopimpinellin and imperatorin have chemopreventive effects when administered orally on skin tumor initiation by 7,12-dimethylbenz[a]anthracene (DMBA).^[1]

Isopimpinellin effectively inhibits mouse COH activity (IC₅₀ values 19-40 microM).^[2]

Isopimpinellin is a new inhibitor against the Leishmania APRT enzyme.^[3]

Isopimpinellin has no phototoxic to viruses and cells.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Methanol-0.1% Acetic acid H₂O=55:45 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 310 nm.

[Storage]

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

[References]

[1] Kleiner H E, Vulimiri S V, Starost M F, *et al.* *Carcinogenesis*, 2002, 23(10):1667-75.

[2] Mäenpää J, Sigusch H, Raunio H, *et al.* *Biochem. Pharmacol.*, 1993, 45(5):1035-42.

[3] Napolitano H B, Silva M, Ellena J, *et al.* *Acta Crystallographica*, 2003, 59(10):o1506–8.

[4] Hudson J B, Miki N, Towers G H. *Planta Med.*, 1987, 53(3):306-7.

[5] Tong L G, Xie J, Feng M L. *Lishizhen Medicine & Materia Medica Research*, 2014, 25(3):536-8.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com**Tel:** +86-27-84237783**Fax:** +86-27-84254680**Web:** www.chemfaces.com**Tech Support:** service@chemfaces.com