

Pedalitin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pedalitin

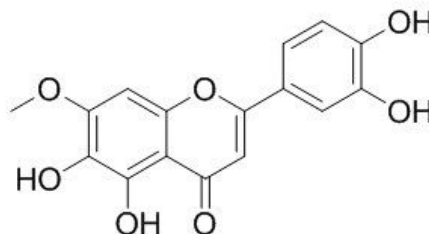
Catalog No.: CFN96045

Cas No.: 22384-63-0

Purity: >=95%

M.F: C₁₆H₁₂O₇

M.W: 316.3



Physical Description: Yellow powder

Synonyms: 2-(3,4-Dihydroxyphenyl)-5,6-dihydroxy-7-methoxy-4H-1-benzopyran-4-one;
3',4',5,6-Tetrahydroxy-7-methoxyflavone; 6-Hydroxyluteolin-7-methyl ether.

[Intended Use]

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

[Source]

The herbs of *Rabdosia rubescens*.

[Biological Activity or Inhibitors]

Pedalitin has inhibitory effects on tyrosinase and α -glucosidase, the IC₅₀ values for the tyrosinase and α -glucosidase activity inhibited by pedalitin are 0.28 and 0.29mM, respectively, pedalitin is a mixed-type inhibitor.^[1]

Pedalitin and amphotericin B have synergistic effect against *Cryptococcus neoformans*.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 30% Acetonitrile- 0.1%Trifluoroacetic acid H₂O,gradient elution ;

Flow rate: 0.5 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] Lin L, Dong Y, Zhao H, *et al. Food Chem.*, 2011, 129(3):884-9.

[2] Sangalli-Leite F, Scorzoni L, Ac A D P E S, *et al. Int. J.Antimicrob.Agents*, 2016, 48(5):504-11.

[3] Tae Joung Ha, Takahiko Isobe, Enrique Werner, *et al. B. Latinoam. Caribe Pl.*, 2016, 15(1):29-40.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com