

Isothymusin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isothymusin

Catalog No.: CFN97562

Cas No.: 98755-25-0

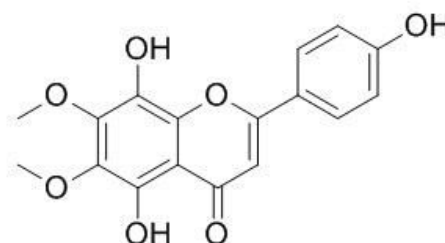
Purity: > 95%

M.F: C₁₇H₁₄O₇

M.W: 330.29

Physical Description: Yellow powder

Synonyms: 5,8-Dihydroxy-2-(4-hydroxyphenyl)-6,7-dimethoxy-4H-1-benzopyran-4-one.



[Intended Use]

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

[Source]

The herbs of *Limnophila geoffrayi*.

[Biological Activity or Inhibitors]

Isothymusin exhibits inhibition activity against *Mycobacterium tuberculosis* , with MIC

value of 200 ug/mL, it also exhibits antioxidant activity against the radical scavenging ability of DPPH, with the IC 50 value of 7.7 ug/mL .^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 2% Aqueous acetic acid- (Methanol- Acetic acid -H₂O=18 :1:1),gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 285 nm.

[Storage]

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

[References]

[1]Suksamrarn A, Poomsing P, Aroonrerk N, *et al. Arch. Pharm. Res.*, 2003, 26(10): 816-20.

[2] Vieira R F, Grayer R J, Paton A, *et al. Biochem. Syst. Ecol.*, 2001, 29(3):287-304.

[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