[ Product Information ]

Name: Isothymusin
Catalog No.: CFN97562
Cas No.: 98755-25-0
Purity: > 95%
M.F: C_{17}H_{14}O_{7}
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 µg/mL, it also exhibits antioxidant activity against the radical scavenging ability of DPPH, with the IC 50 value of 7.7 µg/mL.\[1\]

[ Solvent ]

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

[ HPLC Method ]\[2\]

Mobile phase: 2% Aqueous acetic acid- (Methanol- Acetic acid -H2Or=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 ]


[ Contact ]

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