Diosbulbin B Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: Diosbulbin B
Catalog No.: CFN98014
Cas No.: 20086-06-0
Purity: > 98%
M.F: C_{19}H_{20}O_{6}
M.W: 344.4

Physical Description: Powder

8, 12:15, 16-Diepoxy-19-nor-13(16), 14-clerodadiene-17, 6:18, 2-diolide.

[ Intended Use ]

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

[ Source ]

The herbs of Dioscorea bulbifera.
Biological Activity or Inhibitors

Diosbulbin B (DB), a diterpene lactone isolated from D. bulbifera L., has hepatotoxicity, oral administration of DB for 12 consecutive days can lead to the oxidative stress liver injury in mice; ferulic acid prevents DB-induced liver injury via ameliorating DB-induced liver oxidative stress injury and augments DB-induced anti-tumor activity; Scutellarin(SC) also prevents DB-induced liver injury by attenuating NF-κB-mediated hepatic inflammation and ameliorating liver oxidative stress injury, DB plus SC has significant anti-tumor activity in vivo; indicates that the potential combination of DBo with SC or ferulic acid for the treatment of cancer in clinic.[1,3]

Diosbulbin B has inhibition of gastric cancer cell line SGC-7901 proliferation.[4]

Solvent

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

HPLC Method[5]

Mobile phase: Acetonitrile- 0.1% Glacial acetic acid H2O=40: 60 ;
Flow rate: 1.0 ml/min;
Column temperature: 25 ℃;
The wave length of determination: 210 nm.

Storage

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

References


[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