

Methyl rosmarinate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Methyl rosmarinate

Catalog No.: CFN97567

Cas No.: 99353-00-1

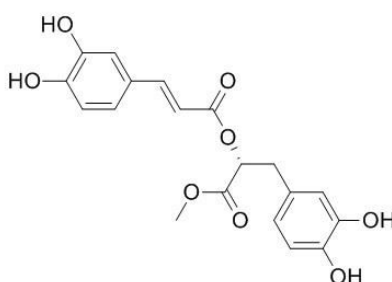
Purity: >95%

M.F: C₁₉H₁₈O₈

M.W: 386.40

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The herb of *Rosmarinus officinalis* L.

[Biological Activity or Inhibitors]

Methyl rosmarinate has inhibitory activities against matrix metalloproteinase-1 (MMP-1).^[1]

Methyl rosmarinate is a noncompetitive inhibitors of tyrosinase and α -glucosidase.^[2]

Methyl rosmarinate exhibits potent antioxidative activity on the NBT superoxide scavenging assay.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile- H₂O-Formic acid,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Hu Y, Lu W, Wang L, *et al. Eur. J. Med. Chem.*, 2013, 62(7):148-57.

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

[3] Woo E R, Piao M S. *Arch. Pharm. Res.*, 2004, 27(2):173-6.

[4] Fecka I, Turek S. *Food Chem.*, 2008, 110(4):1051-2.

[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