

Polygalaxanthone III Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Polygalaxanthone III

Catalog No.: CFN90208

Cas No.: 162857-78-5

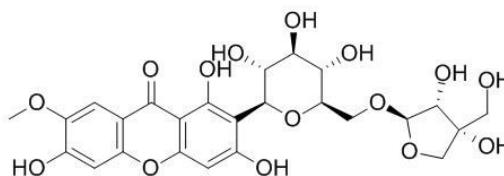
Purity: >=98%

M.F: C₂₅H₂₈O₁₅

M.W: 568.39

Physical Description: Powder

Synonyms: 2-(6-O-D-Apio-beta-D-furanosyl-beta-D-glucopyranosyl)-1,3,6-trihydroxy-7-methoxy-9H-xanthen-9-one.



[Intended Use]

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

[Source]

The roots of *Polygala tenuifolia* Willd.

[Biological Activity or Inhibitors]

Polygalaxanthone III from polygala tenuifolia willd significantly inhibits chlorzoxazone 6-hydroxylation catalyzed by CYP2E1, the IC50 value is 50.56 micromol /L. [1]

Polygalaxanthone III has protective effects in rats with dysmnesia.[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.05%Phosphoric acid H2O=18:82;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 320 nm.

[Storage]

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

[References]

[1] Li Z L, Dong X Z, Wang D X, *et al. China Journal of Chinese Materia Medica*, 2014, 39(22):4459-63.

[2] Ba YY, Jiang Y Y, Liu Y, *et al. Journal of Beijing University of Traditional Chinese Medicine*, 2012,8.

[3] Liu Y F, Yang X J, Tian X, *et al.Chinese Journal of Pharmaceutical Analysis*, 2010(5):806-9.

[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