

# Polygalaxanthone III Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

## [ Product Information ]

**Name:** Polygalaxanthone III

**Catalog No.:** CFN90208

**Cas No.:** 162857-78-5

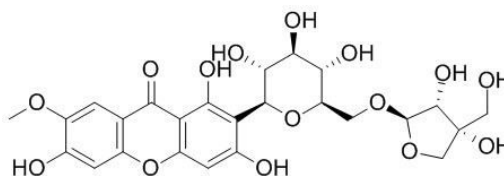
**Purity:** >=98%

**M.F:** C<sub>25</sub>H<sub>28</sub>O<sub>15</sub>

**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 ]**<sup>[3]</sup>

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 ]**

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