



Polygalasaponin V Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Polygalasaponin V

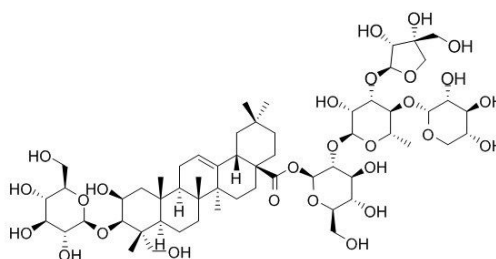
Catalog No.: CFN90650

Cas No.: 162857-65-0

Purity: > 95%

M.F: C₅₈H₉₄O₂₇

M.W: 1222.59



Physical Description: Powder

Synonyms: (2beta,3beta,4alpha)-3-(beta-D-Glucopyranosyloxy)-2,23-dihydroxyolean-12-en-28-oic-acid-O-D-apio-beta-D-furanosyl-(1-3)-O-[beta-D-xylopyranosyl-(1-4)]-O-6-deoxy-alpha-L-mannopyranosyl-(1-2)-beta-D-glucopyranosyl ester.

[Intended Use]

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

[Source]

The herbs of *Polygala japonica* Houtt.

[Biological Activity or Inhibitors]

Polygalasaponin possesses evident anxiolytic and sedative-hypnotic activities and has a relatively safe dose range, which supports the use of *Polygala tenuifolia* root as an anxiolytic and sedative-hypnotic drug in folk medicine.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

HPLC-ELSD:

Mobile phase: Acetonitrile - 0.05% Trifluoroacetic acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 340 nm;

Drift tube temperature: 105 °C;

Flow rate of gas : 2.6L/min;

Carrier gas: N₂.

[Storage]

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

[References]

[1] Yao Y, Jia M, Wu J G, *et al. Pharm. Biol.*, 2010, 48(7):801-7.

[2]Wang H L, Zhu D N,Yu B Y. *Chinese Journal of Pharmaceutical Analysis*, 2008(5): 685-8.

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