



Deapi-platycodin D Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Deapi-platycodin D

Catalog No.: CFN90472

Cas No.: 78763-58-3

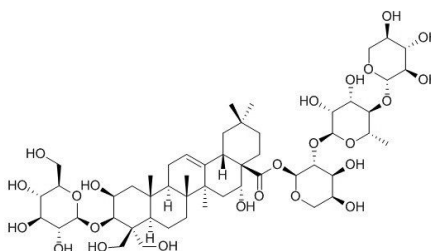
Purity: >=98%

M.F: C₅₂H₈₄O₂₄

M.W: 1093.21

Physical Description: Powder

Synonyms: (2 β ,3 β ,16 α)-3-(β -D-glucopyranosyloxy)-2,16,23,24-tetrahydroxy olean-12-en-28-oic-acid-O- β -D-xylopyranosyl-(1-4)-O-6-deoxy- α -L-mannopyranosyl-(1-2)- α -L-arabinopyranosyl ester.



[Intended Use]

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

[Source]

The root of *Platycodon grandiflorum*.

[Biological Activity or Inhibitors]

Deapi-platycodin and platycodinD, aqueous extract of the root of *Platycodon grandiflorum* A. de Candolle (APG), can regulate the production and secretion of airway mucin and, at least in part, explains the traditional use of aqueous extract of APG as expectorants in diverse inflammatory pulmonary diseases.^[1]

Deapi-platycodin D has anti-inflammatory activity.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Ryu J, Lee H J, Su H P, *et al. Phytomed. Int.J.Phytother. Phytopharmacol.*, 2014, 21(4):529-33.

[2] Ha I J, Ji W C, Ha Y W, *et al. Natural Product Sciences*, 2008, 14(4):274-80.

[3] Li W, Zhao L C, Wang Z, *et al. Int.J. Mol. Sci.*, 2012, 13(4):4089-100.

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