

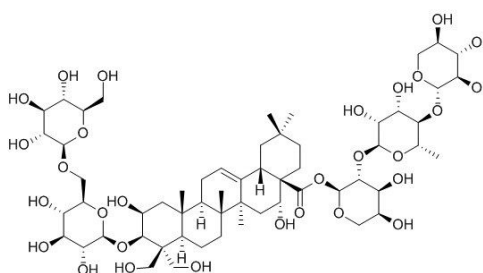
Deapi-platycodin D3 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Deapi-platycodin D3**Catalog No.:** CFN92269**Cas No.:** 67884-05-3**Purity:** > 95%**M.F:** C₅₈H₉₄O₂₉**M.W:** 1255.4**Physical Description:** Powder

Synonyms: (2β,3β,16α)-3-[(6-O-β-D-Glucopyranosyl-β-D-glucopyranosyl)oxy]-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]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

UPLC-MS

Mobile phase: 0.1% Formic acid aqueous solution - Acetonitrile, gradient elution ;

Flow rate: 0.3 ml/min;

Column temperature: Room Temperature;

Capillary voltage: 2.5 kV (negative ion mode), 3.0 kV (positive ion mode);

Capillary temperature: 120°C;

Desolvation temperature: 400°C;

Desolvation gas (N₂) flow: 700 L/h;

Cone gas (N₂) flow: 50 L/h;

Collision gas (Ar) flow rate : 0.20 mL/min.

[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] Zhang L, Jiang Z, Yang J, *et al.* *Journal of Food & Drug Analysis*, 2015, 23(4):811-20.

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