

Platycoside E Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Platycoside E

Catalog No.: CFN90786

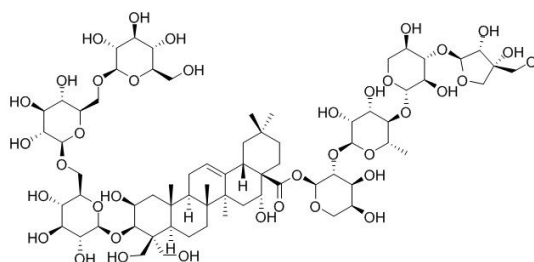
Cas No.: N/A

Purity: > 95%

M.F: C₆₉H₁₁₂O₃₈

M.W: 1549.6

Physical Description: Yellow powder



Synonyms: 3-[(6-Deoxy-α-L-mannopyranosyl)oxy]-7-(β-D-glucopyranosyloxy)-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methyl-2-buten-1-yl)-4H-1-benzopyran-4-one; 2,6-anhydro-1-deoxy-7-O-[7-(β-D-glucopyranosyloxy)-2-(4-methoxyphenyl)-8-(3-methylbut-2-en-1-yl)-4-oxo-4H-chromen-3-yl]-L-glycero-L-manno-heptitol; 3-[(6-deoxy-α-L-mannopyranosyl)oxy]-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-en-1-yl)-4-oxo-4H-chromen-7-yl β-D-glucopyranoside.

[Intended Use]

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

[Source]

The roots of *Platycodon grandiflorum*.

[Biological Activity or Inhibitors]

Platycoside E, a platycodigenin-type saponin isolated from the root of *Platycodon grandiflorum*, can significantly promote the production of the sera ovalbumin (OVA)-specific IgG2a and IgG2b antibody in the OVA-immunized mice. ^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Xie Y, Ye Y P, Sun H X, *et al. Vaccine*, 2008, 26(27-28):3452-60.

[2] Li W, Zhang M, Wang Z, *et al. Chromatographia*, 2011, 74(11-12):777-82.

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