



Platycoside A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Platycoside A

Catalog No.: CFN92270

Cas No.: 209404-00-2

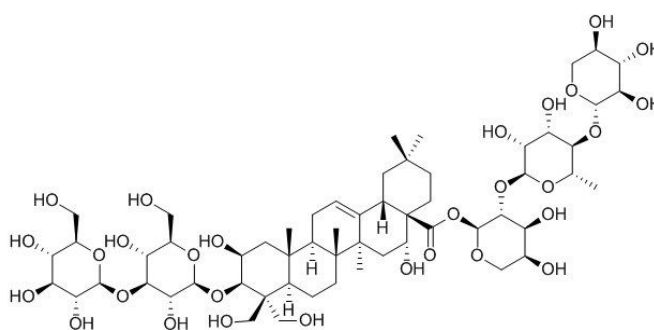
Purity: > 98%

M.F: C₅₈H₉₄O₂₉

M.W: 1255.4

Physical Description: Powder

Synonyms:



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The roots of *Platycodon grandiflorus*.

[Biological Activity or Inhibitors]

Platycoside A has the hemolytic activity, it significantly not only promotes concanavalin A (Con A)-, lipopolysaccharide (LPS)- and antigen-induced splenocyte proliferation, but enhances the NK cell activity in mice immunized with rL-H5, it also induces the IgG and IgG1 antibody responses in the immunized mice.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

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] Sun H, Chen L, Wang J, *et al. Int. Immunopharmacol.*, 2011, 11(12), 2047-56.

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

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