

Complanatoside A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Complanatoside A

Catalog No.: CFN99525

Cas No.: 146501-37-3

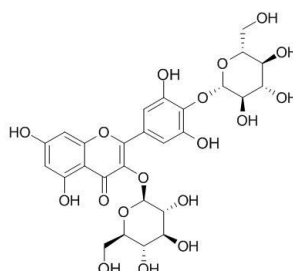
Purity: >=98%

M.F: C₂₇H₃₀O₁₈

M.W: 642.52

Physical Description: Yellow powder

Synonyms: 4-[3-(β-D-Glucopyranosyloxy)-5,7-dihydroxy-4-oxo-4H-chromen-2-yl]-2,6-dihydroxyphenyl β-D-glucopyranoside.



[Intended Use]

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

[Source]

The seeds of *Astragalus complanatus*.

[Biological Activity or Inhibitors]

Complanatoside A is a flavonol glycoside isolated from *Astragalus complanatus*, and currently it is used as a quality control index for *A. complanatus* in the 2010 edition of the Chinese Pharmacopoeia.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O-Phosphoric acid =20:80:0.2 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 267 nm.

[Storage]

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

[References]

[1] Li N, Liu Y, Cao Y, *et al. Biomedical Chromatography : BMC* ,2016, 30(6):888-93

[2] Zhang J J, Yan X L, Zhang Y J, *et al. China Journal of Chinese Materia Medica*, 2005, 30(8):600-2.

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