

Product Data Sheet

Product Name: Complanatuside

Cat. No.: GC33795

Chemical Properties

Cas. No. 116183-66-5

SMILES O=C1C(O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)=C(C3=CC=C(O[C@H]4[C@@H]([C@H]([C@@H]([C@@H](CO)O4)O)O)C=C3)OC5=CC(OC)=CC(O)=C15

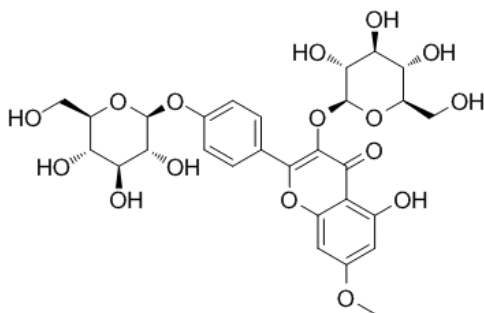
Formula $C_{28}H_{32}O_{16}$ M.Wt 624.54

Solubility DMSO : ≥ 100 mg/mL (160.12 mM) Storage Store at -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Complanatuside is a flavonoid found in the traditional Chinese medicine Semen Astragali Complanati.

Semen Astragali Complanati (SAC), the dried ripe seed of Flatstem Milkvech (Astragalus complanatus Bunge), is commonly used in traditional Chinese medicine for treating muscle, liver,

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kidney, blood, skin and reproductive system diseases. The major contents of SAC include fatty acids, amino acids, polysaccharides, flavonoids, triterpene glycosides and trace elements. SAC exhibits a number of therapeutic effects on chronic diseases such as cardiovascular diseases, diabetes mellitus and cancers. It has been found that flavonoids are the main bioactive component in SAC[1][2].

[1]. Ng YF, et al. Semen Astragali Complanati: an ethnopharmacological, phytochemical and pharmacological review. J Ethnopharmacol. 2014 Aug 8;155(1):39-53. [2]. Ng YF, et al. Semen Astragali Complanati: an ethnopharmacological, phytochemical and pharmacological review. J Ethnopharmacol. 2014 Aug 8;155(1):39-53.

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