

Prosapogenin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Prosapogenin A

Catalog No.: CFN90440

Cas No.: 19057-67-1

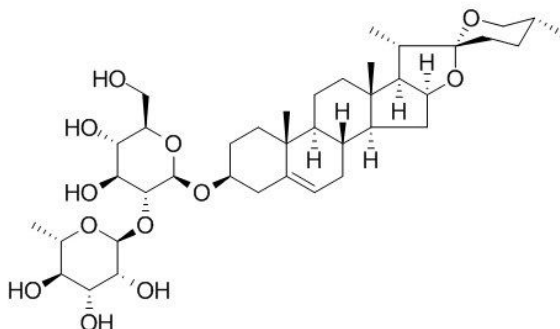
Purity: > 98%

M.F: C₃₉H₆₂O₁₂

M.W: 722.9

Physical Description: Powder

Synonyms: (3β,25R)-Spirost-5-en-3-yl-2-O-(6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranoside; Progenin III; Polyphyllin V; Prosapogenin D'1; Saponin Ta; Ophiopogonin C'.



[Intended Use]

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

[Source]

The roots of *Ophiopogon japonicus*.

[Biological Activity or Inhibitors]

Prosapogenin A induces apoptosis in human cancer cells in vitro via inhibition of the STAT3 signaling pathway and glycolysis.^[1]

Prosapogenin D exerts an anti-inflammatory effect through the regulation of the NF-kappaB pathway. ^[2]

Prosapogenin A exhibits significant inhibitory effect on platelet aggregation in vitro.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-0.5% Acetic acid H₂O=36:64 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Wang T X, Zhang Z Q, Cong Y, *et al. Oncol. Lett.*, 2013, 6(5):1323-8.

[2] Chung J W, Noh E J, Zhao H L, *et al. Biol. Pharm. Bull.*, 2008, 31(11):2114-20.

[3] Wang J J, Liu Y X, Wen D, *et al. China Journal of Chinese Materia Medica*, 2014, 39(19):3782-7.

[4] Yin Z Q, Zhang R F, Jian Z, *et al. Journal of China Pharmaceutical University*, 2011, 42(5):428-30.

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