

Stigmasterol glucoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Stigmasterol glucoside

Catalog No.: CFN98000

Cas No.: 19716-26-8

Purity: > 98%

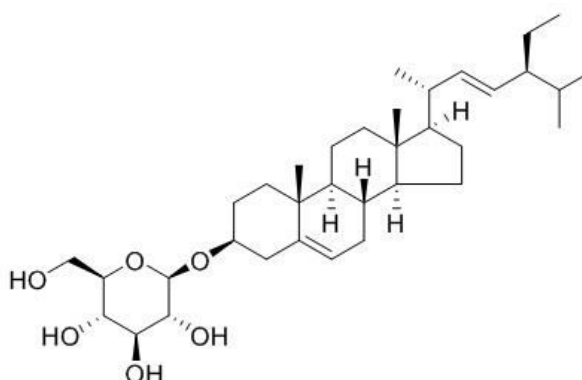
M.F: C₃₅H₅₈O₆

M.W: 574.8

Physical Description: Powder

Synonyms:

(2R,3R,4S,5S,6R)-2-[[[(10R,13R,17R)-17-[(E,2R,5S)-5-ethyl-6-methylhept-3-en-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-yl]oxy]-6-(hydroxymethyl)oxane-3,4,5-triol; stigmasterol-3-O-β-D-glucopyranoside.



[Intended Use]

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

[Source]

The root of *Angelica japonica*.

[Biological Activity or Inhibitors]

Stigmasterol glucoside, a constituent of *Adenanthera pavonina* seed and leaf, may be a plant anticancer agent.^[1,2]

[Solvent]

Pyridine, DMSO, Methanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: 1% Phosphoric acid H₂O- Acetonitrile, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: 25 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Nigam S K, Misra G, Mitra C R. *Planta Med.*, 1973, 23(2):145-8.

[2] Arisawa M, Kinghorn A D, Cordell G A, *et al. Planta Med.*, 1985, 51(6):544-5.

[3] Chen Z, Bi X, Luo W, *et al. J. Guangxi Medical University*, 2014, 17(1):74-6.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com