

Saikosaponin B1 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Saikosaponin B1

Catalog No.: CFN99127

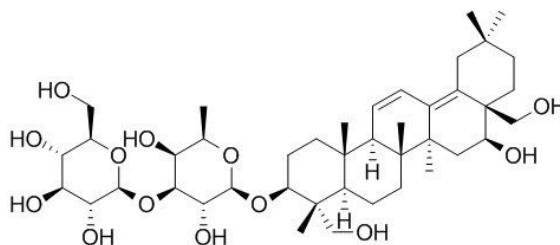
Cas No.: 58558-08-0

Purity: > 98%

M.F: C₄₂H₆₈O₁₃

M.W: 780.98

Physical Description: Powder



Synonyms: (2S,3R,4S,5S,6R)-2-[[[(2R,3R,4S,5S,6R)-2-[[[(3S,4R,4aR,6aR,6bS,8S,8aS,14bS)-8-hydroxy-4,8a-bis(hydroxymethyl)-4,6a,6b,11,11,14b-hexamethyl-1,2,3,4a,5,6,7,8,9,10,12,14a-dodecahydropicen-3-yl]oxy]-3,5-dihydroxy-6-(hydroxymethyl)-4-oxanyl]oxy]-6-methyloxane-3.

[Intended Use]

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

[Source]

The herb of *Bupleurum chinense* DC.

[Biological Activity or Inhibitors]

Saikosaponin B1, saikosaponin B2 and saikosaponin C, active components of bupleuri (a traditional Chinese herb), may be as anti-schizophrenic candidate drugs, and the protect effect of saikosaponin B1 and saikosaponin C are concentration dependent. ^[1]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method] ^[2]

Mobile phase: Methanol -H₂O=75:25 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Zhang Y, Liu F, Zhang X, *et al. Biomed. Chromatogr.*, 2015, 30(3):191-6.

[2] Li J, Jiang H, Zhang Y P, *et al. Chinese Pharmaceutical Journal*, 2011, 46(1):61-3.

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