

Saikosaponin B2 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Saikosaponin B2

Catalog No.: CFN99126

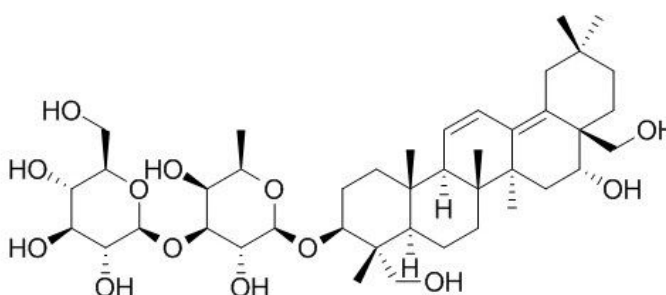
Cas No.: 58316-41-9

Purity: > 98%

M.F: C₄₂H₆₈O₁₃

M.W: 780.98

Physical Description: Powder



Synonyms: (2S,3S,4S,5S,6R)-2-[[[(2R,3R,4S,5S,6R)-2-[[[(3S,4R,6aR,6bR,8R,8aS,14aR,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-methyl-4-oxanyl]oxy]-6-(hydroxymethyl)oxane-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 B2(SSb2) is an efficient inhibitor of early entry, including neutralization of virus particles, preventing viral attachment, and inhibiting viral entry/fusion, SSb2 may be of value for development as an antagonist of entry and could be explored as prophylactic treatment during the course of liver transplantation.^[1]

Saikosaponin B2 can induce differentiation and apoptosis in cultured b16 melanoma cell line: 347.^[2]

Saikosaponin B2 induces apoptosis of cultured B16 melanoma cell line through down-regulation of PKC activity.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[4]

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] Lin L T, Chung C Y, Hsu W C, *et al. J. Hepatol.*, 2015, 62(3):541-8.

[2] Zong Z P, Fujikawa-Yamamoto K, Tanino M, *et al. Melanoma Res.*, 1997, 7(7).

[3] Zong Z P, Fujikawa-Yamamoto K, Tanino M, *et al. Biochem. Bioph. Res. Co.*, 1996, 219 (2):480-5.

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

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