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: C_{42}H_{68}O_{13}
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**


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