[ Product Information ]

Name: Saikosaponin C
Catalog No.: CFN99988
Cas No.: 20736-08-7
Purity: > 98%
M.F: C_{48}H_{72}O_{17}
M.W: 927.14

Physical Description: Powder


[ Intended Use ]

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

[ Source ]
The root of Bupleurum chinense DC.
[Biological Activity or Inhibitors]
Saikosaponin C (SSC) is one of the saikosaponins that are consisted in a Chinese herb, Radix Bupleuri, it yields a potent effect on inducing human umbilical vein endothelial cells (HUVECs) viability and growth, also induces endothelial cells migration and capillary tube formation.\(^1\)
Saikosaponin C can inhibit lipopolysaccharide-induced apoptosis by suppressing caspase-3 activation and subsequent degradation of focal adhesion kinase in human umbilical vein endothelial cells.\(^2\)
Saikosaponin C seems to have beneficial effects on cellular tau function, it accelerates nerve growth factor (NGF)-mediated neurite outgrowth and increases the assembly of microtubules (MT) and synaptic marker proteins such as synaptophysin and PSD-95, suggests SSc might be a novel therapeutic tool for treating human AD and other neurodegenerative diseases.\(^3\)
Saikosaponin C can cure liver disease.\(^4\)

[Solvent ]
Pyridine, Methanol, Hot water, etc.

[HPLC Method ]\(^5\)
Mobile phase: Methanol : H2O=61:39;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wave length of determination: 203 nm.

[Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[References ]


[ Contact ]

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