[ Product Information ]

Name: Gypenoside XLIX
Catalog No.: CFN99717
Cas No.: 94987-08-3
Purity: > 98%
M.F: C_{52}H_{86}O_{21}
M.W: 1047.23

Physical Description: White powder


[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

[ Source ]
The herb of *Gynostemma pentaphyllum (Thunb.) Makino*.

**[Biological Activity or Inhibitors]**

Gypenoside XLIX (Gyp-XLIX), a naturally occurring gynosaponin, can inhibit LPS-induced NF-κB activation in murine macrophages, it restores the LPS- and TNF-α-induced decrease in cytosolic I-κBα protein expression and inhibits the translocation of NF-κB(p65) to the nucleus in THP-1 monocyte and HUVEC cells; suggests that Gyp-XLIX inhibits NF-kappaB activation via a PPAR-alpha-dependent pathway.[1]

**[Solvent]**

Pyridine, DMSO, Ethanol, Methanol.

**[HPLC Method][2]**

HPLC-ELSD:

Mobile phase: Acetonitrile- 0.5% Acetic acid H2O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 ℃;

Atomization temperature : 42 ℃;

Drift tube temperature: 65 ℃;

Flow rate of gas : 2.0L/min;

Carrier gas: N₂.

**[Storage]**

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

**[References]**


[ Contact ]

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