[ **Product Information** ]

**Name:** Salvigenin  
**Catalog No.:** CFN99883  
**Cas No.:** 19103-54-9  
**Purity:** > 95%  
**M.F:** C_{18}H_{16}O_{6}  
**M.W:** 328.3  

**Physical Description:** Yellow powder  
**Synonyms:** 5-Hydroxy-6,7-dimethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one.

[ **Intended Use** ]

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

[ **Source** ]

The roots of *Salvia japonica*.

[ **Biological Activity or Inhibitors**]

Salvigenin, a natural polyphenolic compound, has neuroprotective effect on oxidative
stress-induced apoptosis and autophagy in human neuroblastoma SH-SY5Y cells.[1]
Salvigenin has antitumor and immunomodulatory effects on tumor bearing mice.[2]
Salvigenin has potential to ameliorate Streptozotocin-induced diabetes mellitus and heart complications in rats. [3]
Salvigenin has dose-dependent analgesic effect so that it can be useful in controlling of inflammations, acute and chronic pain.[4]
Salvigenin is the most potent hMAO-A [monoamine oxidases (MAOs)] inhibitor, while xanthomicrol is the most selective hMAO-A inhibitor, they have potential as new selective and reversible hMAO-A inhibitors for the treatment of depression and anxiety.[5]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][6]
Flow rate: 1.0 ml/min;
Column temperature: 30 °C;
The wave length of determination: 275 nm.

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

[ References ]
1(3):31-41.


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