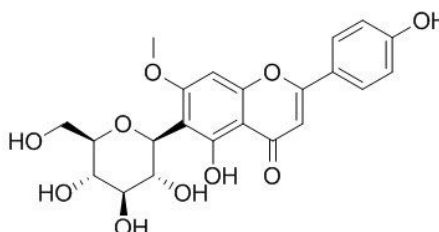


## Swertisin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Swertisin**Catalog No.:** CFN90621**Cas No.:** 6991-10-2**Purity:** > 98%**M.F:** C<sub>22</sub>H<sub>22</sub>O<sub>10</sub>**M.W:** 446.4**Physical Description:** Yellow powder**Synonyms:** Apigenin 6-glucosyl-7-O-methyl ether; 4',5-Dihydroxy-7-methoxy-6-β-D-glucopyranosylflavone; 6-(β-D-Glucopyranosyl)-5-hydroxy-2-(4-hydroxyphenyl)-7-methoxy-4H-1-benzopyran-4-one; Genkwanin 6-C-Glucoside.**[ Intended Use ]**

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

**[ Source ]**The herbs of *Swertia bimaculata*.

## **[ Biological Activity or Inhibitors ]**

Swertisin shows a strong antihyperglycemic action, that is reinforced by the stimulation on in vivo insulin secretion.<sup>[1]</sup>

Swertisin can ameliorate pre-pulse inhibition deficits and cognitive impairment induced by MK-801 in mice, suggests that it may be useful for the treatment of several symptoms of schizophrenia, including sensorimotor gating disruption, and cognitive impairment.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol -H<sub>2</sub>O, gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 25 °C;

The wave length of determination: 237 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Folador P, Cazarolli L H, Gazola A C, *et al. Fitoterapia*, 2010, 81(8):1180-7.

[2] Ryu J H, Oh H K, Lee S, *et al. Planta Med.*, 2015, 81(16).

[3] Lv Y, Zhang H T, Wang Y F, *et al. China Journal of Chinese Materia Medica*, 2015, 40(5):804-6.

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