



## 3'-Methoxypuerarin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** 3'-Methoxypuerarin

**Catalog No.:** CFN90780

**Cas No.:** 117047-07-1

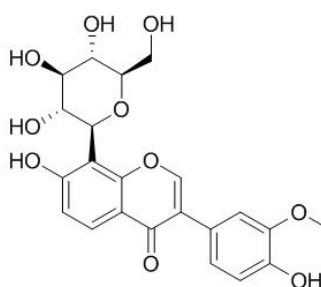
**Purity:** >=98%

**M.F:** C<sub>22</sub>H<sub>22</sub>O<sub>10</sub>

**M.W:** 446.4

**Physical Description:** Powder

**Synonyms:** 8-beta-D-Glucopyranosyl-7-hydroxy-3-(4-hydroxy-3-methoxyphenyl)-4H-1-benzopyran-4-one; Puerariaglycoside 3.



### [ Intended Use ]

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

### [ Source ]

The roots of *Pueraria lobata*.

### [ Biological Activity or Inhibitors ]

3'-Methoxypuerarin (3'-MOP) is extracted from puerariae, it can protect hippocampal neurons against ischemia/reperfusion injury by inhibiting apoptosis.<sup>[1]</sup>

3'-Methoxypuerarin has antioxidant activities, it shows ONOO(-) scavenging activity and weak NO· and O(2)(-) scavenging activities.<sup>[2]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Methanol- H<sub>2</sub>O= 25:75 ;

Flow rate: 0.9 ml/min;

Column temperature: 25 °C;

The wave length of determination: 250 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Liu Y, Chen X, Liu K, *et al. Chinese Journal of Physiology*, 2010, 53(2):136-40.

[2] Jin S E, You K S, Min B S, *et al. Arch. Pharm. Res.*, 2012, 35(5):823-37.

[3] Chao C, Li S X, Wang S M, *et al. Journal of Instrumental Analysis*, 2013, 32(4):454-8.

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