

## 3'-Hydroxy Puerarin Datasheet

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

### [ Product Information ]

**Name:** 3'-Hydroxy Puerarin

**Catalog No.:** CFN90236

**Cas No.:** 117076-54-5

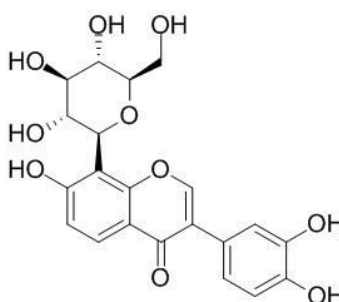
**Purity:** >=98%

**M.F:** C<sub>21</sub>H<sub>20</sub>O<sub>10</sub>

**M.W:** 432.38

**Physical Description:** Powder

**Synonyms:**



### [ 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'-Hydroxy Puerarin can improve the insulin resistance via up-regulating the expression of

PPAR $\gamma$  in 3T3-L1 adipocytes.<sup>[1]</sup>

3'-Hydroxypterarin shows marked ONOO $^-$ , NO $^-$ , total ROS scavenging activities, and weak  $\cdot$ O $_2^-$  scavenging activity, it may have anti-inflammatory and antioxidant activities.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: 0.5% Acetic acid in acetonitrile-0.5% Acetic acid aqueous solution, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25  $^{\circ}$ C;

The wave length of determination: 250 nm.

## **[ Storage ]**

2-8 $^{\circ}$ C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Wang X K, Liu Q X, Ye K H *et al.* *Chinese Traditional & Herbal Drugs*, 2014, 45(16):2352-7.

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

[3] Wang F, Yang X. *Chinese Journal of Pharmaceutical Analysis*, 2011, 31(9):1626-30.

## **[ Contact ]**

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