

## Myricetin 3-O-galactoside Datasheet

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

### [ Product Information ]

**Name:** Myricetin 3-O-galactoside

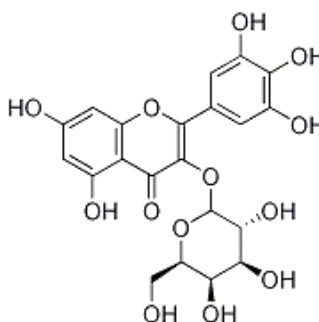
**Catalog No.:** CFN97817

**Cas No.:** 15648-86-9

**Purity:** >95%

**M.F:** C<sub>21</sub>H<sub>20</sub>O<sub>13</sub>

**M.W:** 480.38



**Physical Description:** Yellow powder

**Synonyms:** 4H-1-Benzopyran-4-one,3-(b-D-galactopyranosyloxy)-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-; 3,3',4',5,5',7-Hexahydroxyflavone-3-b-D-galactopyranoside; Myricetin 3-O-b-D-galactopyranoside.

### [ Intended Use ]

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

### [ Source ]

The root bark of *Myrica cerifera* L.

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

Myricetin-3-o-galactoside, isolated from the leaves of *Myrtus communis*, has antioxidant and anti-genotoxic activities.<sup>[1]</sup>

Myricetin 3-O- $\beta$ -galactoside has antinociceptive and anti-inflammatory effects, the effects are related to peripheral inhibition of nitric oxide synthesis, mainly inducible nitric oxide synthase (iNOS).<sup>[2]</sup>

Myricetin-3-O- $\beta$ -D-galactoside has cytotoxicity against human liver cancer cell line (HEPG2).<sup>[3]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[4]</sup>**

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

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Hayder N, Bouhlel I, Skandrani I, *et al. Toxicol. in Vitro*, 2008, 22(3):567-81.

[2] de Oliveira Azevedo A, Campos JJ, de Souza GG, *et al. J. Nat. Med.*, 2015, 69(4):1-7.

[3] Hifnawy M, Sokkar N, Ezzat S, *et al. Asian Journal of Plant Sciences*, 2012, 11(3): 124-30.

[4] Touriño S, Fuguet E, Jáuregui O, *et al. Rapid Commun. Mass Sp.*, 2008, 22(22): 3489-500.

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