

# Eriodictyol-7-O-glucoside Datasheet

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

## [ Product Information ]

**Name:** Eriodictyol-7-O-glucoside

**Catalog No.:** CFN97865

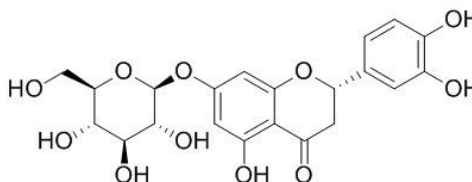
**Cas No.:** 38965-51-4

**Purity:** >=98%

**M.F:** C<sub>21</sub>H<sub>22</sub>O<sub>11</sub>

**M.W:** 450.39

**Physical Description:** Powder



**Synonyms:** (S)-2-(3,4-Dihydroxyphenyl)-7-(beta-D-glucopyranosyloxy)-2,3-dihydro-5-hydroxy-4H-1-benzopyran-4-one; 2-(3,4-dihydroxyphenyl)-5-hydroxy-4-oxo-3,4-dihydro-2H-chromen-7-yl-alpha-D-glucopyranoside; (2S)-2-(3,4-dihydroxyphenyl)-5-hydroxy-4-oxo-3,4-dihydro-2H-chromen-7-yl beta-D-glucopyranoside.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Dracocephalum rupestre*.

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

Eriodictyol-7-O-glucoside (E7G), a novel Nrf2 activator, can protect against cerebral ischemic injury, it can significantly reduce the amount of brain damage and ameliorate neurological deficits; demonstrates that activation of Nrf2/ARE signaling by E7G is directly associated with its neuroprotection against oxidative stress-induced ischemic injury and suggest that targeting the Nrf2/ARE pathway may be a promising approach for therapeutic intervention in stroke.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol-Acetonitrile-H<sub>2</sub>O=32:8:60 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 284 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Jing X, Ren D, Wei X, *et al. Toxicol. Appl. Pharmacol.*, 2013, 273(273):672-9.

[2] Ren D M, Lou H X, Bin M A, *et al. Nat. Product Res. Develop.*, 2003, 15(3):229-31.

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