[ Product Information ]

Name: Eriodictyol-7-O-glucoside

Catalog No.: CFN97865

Cas No.: 38965-51-4

Purity: \( \geq 98\% \)

M.F: \( C_{21}H_{22}O_{11} \)

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.\(^1\)

[**Solvent**]

Pyridine, Methanol, Ethanol, etc.

[**HPLC Method**]\(^2\)

Mobile phase: Methanol-Acetonitrile-H2O=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**]


[**Contact**]

Address:  
S5-3 Building, No. 111, Dongfeng Rd.,  
Email: info@chemfaces.com  
Tel: +86-27-84237783
Wuhan Economic and Technological Development Zone, Wuhan, Hubei 430056, China

Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com