[ Product Information ]

Name: Narirutin
Catalog No.: CFN99543
Cas No.: 14259-46-2
Purity: 98%
M.F: C27H32O14
M.W: 580.53

Physical Description: White powder

Synonyms: Naringenin-7-O-rutinoside; Isonaringin;
(2S)-5-hydroxy-2-(4-hydroxyphenyl)-4-oxo-3,4-dihydro-2H-chromen-7-yl-6-O-(6-deoxy-alpha-L-mannopyranosyl)-beta-D-glucopyranoside;
4H-1-benzopyran-4-one,7-{[6-O-(6-deoxy-alpha-L-mannopyranosyl)-beta-D-glucopyranosyl]oxy}-2,3-dihydro-5-hydroxy-2-(4-hydroxyphenyl)-, (2S)-.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others field.

[ Source ]

The young fruit of Citrus grandis (L.) Osbeck.
[ Biological Activity or Inhibitors]

Narirutin has anti-inflammatory effect in a murine model of allergic eosinophilic airway inflammation, the mechanism is likely to be associated with a reduction in the OVA-induced increases of IL-4 and IgE, suggests that narirutin may be an effective new tool in the treatment of bronchial asthma.[1]

Citrus narirutin fraction (CNF), contained 75% of narirutin, co-administration of CNF with alcohol can alleviate alcohol induced liver damage through preventing lipid formation, protecting antioxidant system and suppressing productions of pro-inflammatory cytokines.[2]

Narirutin has inhibition on cuprizone-induced apoptosis of oligodendrocyte.[3]

[ Solvent ]

Acetone, Methanol, Ethanol, Hot water.

[ HPLC Method ][4]

Mobile phase: Methanol -H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 284nm.

[ Storage ]

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

[ References ]


[ Contact ]

Address:  
S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

Email: info@chemfaces.com  
Tel: +86-27-84237783  
Fax: +86-27-84254680  
Web: www.chemfaces.com  
Tech Support: service@chemfaces.com