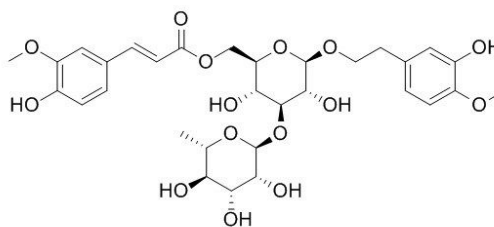


# Isomartynoside Datasheet

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

## [ Product Information ]

**Name:** Isomartynoside**Catalog No.:** CFN97525**Cas No.:** 94410-22-7**Purity:** > 95%**M.F:** C<sub>31</sub>H<sub>40</sub>O<sub>15</sub>**M.W:** 652.7**Physical Description:** Powder**Synonyms:** 2-(4-Methoxy-3-hydroxyphenyl)ethyl-6-O-(4-hydroxy-3-methoxycinnamoyl)-3-O-( $\alpha$ -L-rhamnopyranosyl)- $\beta$ -D-glucopyranoside.

## [ Intended Use ]

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

## [ Source ]

The roots of *Rehmannia glutinosa*.

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

Isomartynoside has inhibition against the angiotensin converting enzyme (ACE) activities, the IC 50 value is  $505 \pm 26.7 \mu\text{g/ml}$ , it may have antihypertensive effect.<sup>[1]</sup>

Isomartynoside shows obvious anti-fatigue activity.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

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

Flow rate: 8.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 517 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Kang D G, Lee Y S, Kim H J, *et al. J. Ethnopharmacol.*, 2003, 89(1):151-4.

[2] Chu H B, Zeng H, Liang S L, *et al. Chinese Traditional & Herbal Drugs*, 2014, 45(9):1223-7.

[3] Khodaie L, Delazar A, Lotfipour F, *et al. Rev. Bras. Farmacogn.*, 2012, 22(6):1268-75.

## **[ Contact ]**

### **Address:**

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

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)