

# Nuezhenide Datasheet

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

## [ Product Information ]

**Name:** Nuezhenide

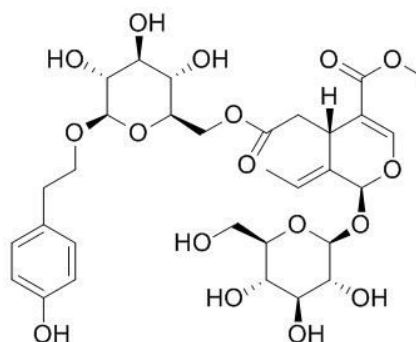
**Catalog No.:** CFN98623

**Cas No.:** 39011-92-2

**Purity:** > 98%

**M.F:** C<sub>31</sub>H<sub>42</sub>O<sub>17</sub>

**M.W:** 686.7



**Physical Description:** Powder

**Synonyms:** (5E,6S)-5-ethylidene-4-[2-oxo-2-[[[(2R,3S,4S,5R,6R)-3,4,5-trihydroxy-6-[2-(4-hydroxyphenyl)ethoxy]-2-oxanyl]methoxy]ethyl]-6-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]-4H-pyran-3-carboxylic acid methyl ester; Specnuezhenide.

## [ Intended Use ]

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

## [ Source ]

The fruits of *Ligustrum lucidum*.

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

Nuezhenide significantly protects human neuroblastoma SH-SY5Y cells from 6-hydroxydopamine-induced neurotoxicity.<sup>[1]</sup>

Nuezhenide is the main inhibitory compound of fruits, it shows a clear inhibitory effect to the seeds of wheat and Chinese cabbage. <sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

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

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

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 220 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Sung S H, Kim E S, Lee K Y, *et al. Planta Med.*, 2006, 72(1):62-4.

[2] Xiong Y. *Journal of Huzhou Teachers College*, 1996(6):40-8.

[3] Yuan-Yuan L I, Yu L H , Chang Y S. *Chinese Journal of Pharmaceutical Analysis*, 2013, 33(2):230-3.

## **[ Contact ]**

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