

## Ciwujianoside B Datasheet

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

### [ Product Information ]

**Name:** Ciwujianoside B

**Catalog No.:** CFN99983

**Cas No.:** 114902-16-8

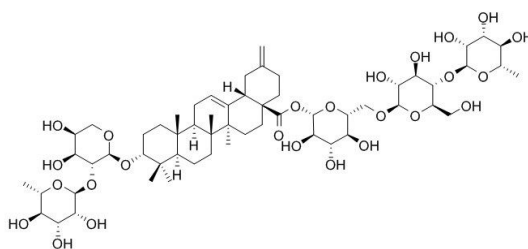
**Purity:** >=98%

**M.F:** C<sub>58</sub>H<sub>92</sub>O<sub>25</sub>

**M.W:** 1189.34

**Physical Description:** Powder

**Synonyms:** Yemuoside YM(10); 28-O-Rhamnopyranosyl-(1-4)-glucopyranosyl-(1-6)-glucopyranosyl 3-O-rhamnosyl-(1-2)-arabinopyranosyl-30-norolean-12,20(29)-dien-28-oic acid.



### [ Intended Use ]

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

### [ Source ]

The roots of *Eleutherococcus senticosus*.

### [ Biological Activity or Inhibitors ]

Ciwujianoside B has inhibitory effects on apoptosis induced by MIRI and cardiomyocytes apoptosis induced by H<sub>2</sub>O<sub>2</sub> in rats. <sup>[1]</sup>

Ciwujianoside-B shows radioprotective effects on the hematopoietic system in mice, which is associated with changes in the cell cycle, a reduction in DNA damage, and down-regulation of the ratio of Bax/Bcl-2 in bone marrow cells exposed to radiation.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Methanol -H<sub>2</sub>O=22:78 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 270 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Sui D Y, Liang Q M, Qu S C, *et al. Int. J. Cardiol.*, 2011, 147:S27–8.

[2] Li Y R, Cao W, Guo J, *et al. Phytother. Res.*, 2011, 25(5):644-53.

[3] Hua J. *Clinical Medicine*, 2006, 26(5):90-1.

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