

## Notoginsenoside T5 Datasheet

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

### [ Product Information ]

**Name:** Notoginsenoside T5

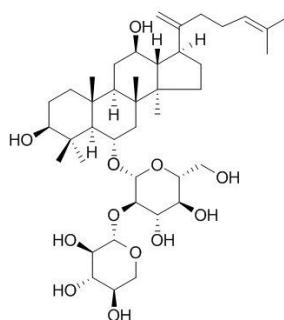
**Catalog No.:** CFN92824

**Cas No.:** 769932-34-5

**Purity:** >=95%

**M.F:** C<sub>41</sub>H<sub>68</sub>O<sub>12</sub>

**M.W:** 753.0



**Physical Description:** Powder

**Synonyms:** (3beta,6alpha,12beta)-3,12-Dihydroxydammar-20,24-dien-6-yl

3-O-beta-D-xylopyranosyl-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 *Panax notoginseng* (Burk.)F.H.Chen.

### [ Biological Activity or Inhibitors ]

Total panax notoginsenosides (TPNS) are the main active ingredients in San-Chi, the root of (Burk) F.H. Chen, which belongs to the Araliaceae family and has been used in traditional Chinese medicine to treat atherosclerosis; TPNS can prevent atherosclerosis by lowering serum lipid levels and regulating vascular CD40 and MMP-9 expression, TPNS may have implications for clinical treatment of atherosclerosis vascular disease.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[2]</sup>**

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

Flow rate: 1.8 ml/min;

Column temperature: 30 °C;

The wave length of determination: 205 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Liu G, Wang B, Zhang J, *et al. J. Ethnopharmacol.*, 2009, 126(2):350-4.

[2] Zhang J, Wen X U, Wu D H, *et al. Med. Plant*, 2013(1):1-4, 7.

## **[ Contact ]**

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