

## Rhodojaponin III Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Rhodojaponin III

**Catalog No.:** CFN90673

**Cas No.:** 26342-66-5

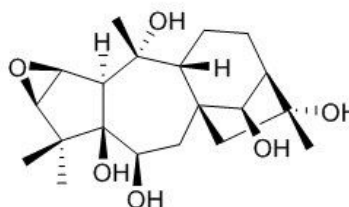
**Purity:** > 98%

**M.F:** C<sub>20</sub>H<sub>32</sub>O<sub>6</sub>

**M.W:** 368.47

**Physical Description:** Powder

**Synonyms:** (2beta,3beta,6beta,14S)-2,3-epoxygrayanotoxane-5,6,10,14,16-pentol.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Rhododendron molle* G. Don.

### [ Biological Activity or Inhibitors ]

Rhodojaponin III is a grayanoid diterpene compound with insect antifeedant and insecticidal properties.<sup>[1]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

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

HPLC-ELSD:

Mobile phase: Methanol -H<sub>2</sub>O=40:60 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

Atomizer temperature: 55 °C;

Drift tube temperature: 80 °C;

Flow rate of gas : 1.6L/min;

Carrier gas: N<sub>2</sub>;

Pressure of gas:25 psi.

## **[ Storage ]**

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

## **[ References ]**

[1] Hu M Y, Klocke J A, Chiu S F, *et al. J.Econ. Entomol.*, 1993, 86(86):706-11.

[2] Zhang Z R, Zhou C, Lou Z H, *et al. Natural Product Research and Development*, 2013, 25(9):1234-6.

## **[ Contact ]**

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