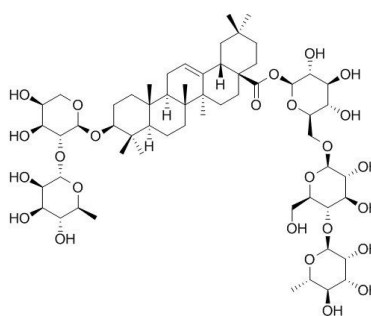


## Hederasaponin B Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Hederasaponin B**Catalog No.:** CFN99986**Cas No.:** 36284-77-2**Purity:** >=98%**M.F:** C<sub>59</sub>H<sub>96</sub>O<sub>25</sub>**M.W:** 1205.4**Physical Description:** White powder

**Synonyms:** 3β-(2-O-α-L-Rhamnopyranosyl-α-L-arabinopyranosyloxy)oleana-12-ene-28-oic-acid-6-O-(4-O-α-L-rhamnopyranosyl-β-D-glucopyranosyl)-β-D-glucopyranosyl ester.

**[ Intended Use ]**

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

**[ Source ]**The herbs of *Hedera nepalensis*.

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

Hederasaponin B , isolated from *Hedera helix*, has antiviral activity against Enterovirus 71 (EV71) subgenotypes C3 and C4a, it can be novel drug candidates with broad-spectrum antiviral activity against various subgenotypes of EV71.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Methanol- H<sub>2</sub>O=55:45 ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 210 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Song J H, Yeo S G, Hong E H, *et al. Biomol. Ther.*, 2014, 22(1):41-6.

[2] Zhang L, Tan X, Hou A, *et al. Journal of Liaoning University of Traditional Chinese Medicine*, 2013,12.

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