

# Isosaponarin Datasheet

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

## [ Product Information ]

**Name:** Isosaponarin

**Catalog No.:** CFN90133

**Cas No.:** 19416-87-6

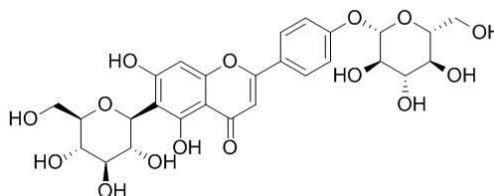
**Purity:** > 95%

**M.F:** C<sub>27</sub>H<sub>30</sub>O<sub>15</sub>

**M.W:** 594.52

**Physical Description:** Yellow powder

**Synonyms:** 5,7-Dihydroxy-6-[(2S,3S,4R,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]-2-[4-[(2S,3S,4R,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]chromen-4-one; Isosaponaretin.



## [ Intended Use ]

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

## [ Source ]

The seeds of *Vaccaria segetalis*.

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

Isosaponarin, derived from wasabi leaf on synthesis in fibroblasts, it can increase collagen synthesis in human fibroblasts, caused by up-regulated T  $\beta$  R-II and P4H production.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Acetonitrile-1% Acetic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: 30 °C;

The wave length of determination: 350 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Nagai M, Akita K, Yamada K, *et al. J. Nat. Med.*, 2010, 64(3):305-12.

[2] Wu Q X, Chen J, Shi Y P. *J. Anal. Chem.*, 2010, 65(3):298-304.

## **[ Contact ]**

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