

# Rosavin Datasheet

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

## [ Product Information ]

**Name:** Rosavin

**Catalog No.:** CFN99179

**Cas No.:** 84954-92-7

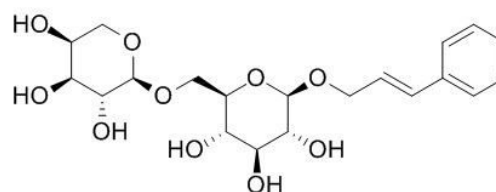
**Purity:** > 98%

**M.F:** C<sub>20</sub>H<sub>28</sub>O<sub>10</sub>

**M.W:** 428.43

**Physical Description:** White cryst.

**Synonyms:** (2S,3R,4S,5S,6R)-2-[(E)-3-phenylprop-2-en-1-yloxy]-6-[[[(2S,3R,4S,5S)-3,4,5-trihydroxy-2-oxanyloxy]methyl]oxane-3,4,5-triol.



## [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

## [ Source ]

The herb of *Rhodiola rosea* L.

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

Rosavin and rhodiola rosea extracts decrease neovascular reaction on cutaneous angiogenesis induced in mice after grafting of syngeneic tumor cells.<sup>[1]</sup>

Rosavin, extracted from *Rhodiola rosea* L, has anti-fatigue effects.<sup>[2]</sup>

### **[ Solvent ]**

Pyridine, Ethanol, Methanol, Hot water, etc.

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

Mobile phase: Methanol : H<sub>2</sub>O=50:50;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] E. Skopińska-Różewska, M. Hartwich, A.K. Siwicki, *et al. Central-European Journal of Immunology*, 2008, 33(3):102-7.

[2] Zhang H Y, Ma C Y, Wang H X. *Science & Technology of Food Industry*, 2013, 34(6):357-9.

[3] Wang Y. *China Pharmaceuticals*, 2009, 18(22):35-6.

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