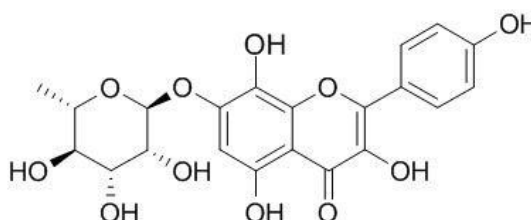


## Rhodionin Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)**[ Product Information ]****Name:** Rhodionin**Catalog No.:** CFN99758**Cas No.:** 85571-15-9**Purity:** >=98%**M.F:** C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>**M.W:** 448.38**Physical Description:** Yellow powder**Synonyms:** 3,5,8-Trihydroxy-2-(4-hydroxyphenyl)-7-(3,4,5-trihydroxy-6-methoxy-2-yl)oxychromen-4-one; Herbacetin 7-rhamnoside; Herbacetin-7-O- $\alpha$ -L-rhamnopyranoside.**[ Intended Use ]**

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

**[ Source ]**The herbs of *Rhodiola rosea*.

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

Rhodiumin has antioxidant activity, it exhibits potent 1,1-diphenyl-2-picryl-hydrazyl (DPPH) free radical scavenging activities, with IC<sub>50</sub> values of 19.49 ± 0.21 μM.<sup>[1]</sup>

Rhodiumin and rhodiosin can significantly suppress the elevation of the postprandial blood triglyceride level, suggests that they may be to the treatment of lifestyle-related diseases such as hyperlipidemia and exogeneous obesity and to health foods. <sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

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

Flow rate: 1.0 ml/min;

Column temperature: 35°C;

The wave length of determination: 332 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Choe K I, Kwon J H, Park K H, *et al. Molecules*, 2012, 17(10):11484-94.

[2] Kobayashi K, Yamada K, Murata T, *et al. Planta Med.*, 2008, 74(14):1716-9.

[3] Li T, Zhang H. *Chem. Pharm. Bull.*, 2008, 56(6):807-14.

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