

## Praeruptorin B Datasheet

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

### [ Product Information ]

**Name:** Praeruptorin B

**Catalog No.:** CFN98140

**Cas No.:** 81740-07-0

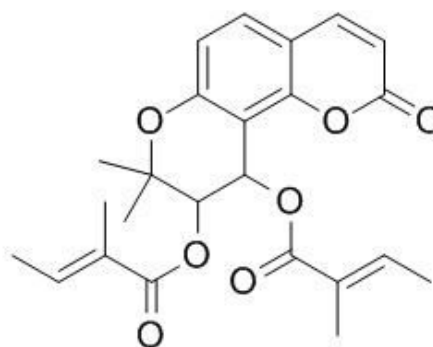
**Purity:** > 98%

**M.F:** C<sub>24</sub>H<sub>26</sub>O<sub>7</sub>

**M.W:** 426.46

**Physical Description:** White cryst.

**Synonyms:** Anomalin; [8,8-Dimethyl-9-[(E)-2-methylbut-2-enoyl]oxy-2-oxo-9,10-dihydroprano[6,5-h]chromen-10-yl] (E)-2-methylbut-2-enoate.



### [ Intended Use ]

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

### [ Source ]

The roots of *Peucedanum praeruptorum* Dunn.

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

Praeruptorin B has significant P-glycoprotein (Pgp)-inhibition activity.<sup>[1]</sup>

Praeruptorins B and A have LC 50 values of 34.5 and 121.2 ug/ml, respectively, in Artemia salina test .<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, DMSO, Acetone, etc.

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

HPLC-ELSD:

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

Flow rate: 1.0 ml/min;

The temperature of drift tube : 80 °C

The rate of N<sub>2</sub> : 2.5 mL/min;

The wave length of determination: 320 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Joshi P, Singh S, Wani A, *et al. Medicinal Chemistry Communication*, 2014, 5(10): 1540-7.

[2] Lu M, Nicoletti M, Battinelli L, *et al. Cheminform*, 2001, 32(44):417-20.

[3] Zhao D, Zhou T Q, Feng S X, *et al. Chinese Traditional Patent Medicine*, 2012, 34(10): 1908-12.

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