

Praeruptorin E Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Praeruptorin E

Catalog No.: CFN90449

Cas No.: 78478-28-1

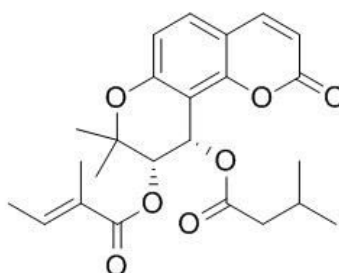
Purity: >=98%

M.F: C₂₄H₂₈O₇

M.W: 428.47

Physical Description: Powder

Synonyms: (9S,10S)-8,8-dimethyl-10-[(3-methylbutanoyl)oxy]-2-oxo-9,10-dihydro-2H,8H-pyrano[2,3-f]chromen-9-yl (2Z)-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 C and E can relax swine coronary artery and decrease contractility in guinea-pig left atria, these effects are similar in many respects to those displayed by drugs that have calcium entry blocking activity.^[1]

Praeruptorin D and E can protect mice from hydrochloric acid (HCl)-induced lung injury by inhibiting polymorphonuclear leukocytes (PMNs) influx, IL-6 release and protein exudation, suggest that they may be useful in the therapy of lung injury.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: 0.1% Formic acid in water- Methanol,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 323 nm.

[Storage]

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

[References]

[1] Rao M R, Shen X H, Zou X. *Eur. J. Pharmacol.* 1988, 155(3):293-6.

[2] Yu P J, Li J R, Zhu Z G, *et al.* *Eur. J. Pharmacol.*, 2013, 710(1-3):39-48.

[3] Song Y L, Zhang Q W, Li Y P, *et al.* *Molecules*, 2012, 17(4):4236-51.

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