
Product Data Sheet

Product Name: (+)- Praeruptorin C

Cat. No.: GN10612

Chemical Properties

Cas. No. 72463-77-5

Chemical Name (E)-(9S,10S)-8,8-dimethyl-10-((3-methylbutanoyl)oxy)-2-oxo-2,8,9,10-tetrahydropyrano[2,3-f]chromen-9-yl 2-methylbut-2-enoate

SMILES CC1(C)OC2=CC=C3C(OC(C=C3)=O)=C2[C@H](OC(CC(C)C)=O)[C@@H]1OC(/C(C)=C/C)=OFormula C₂₂H₂₂O₇

M.Wt 398.4

Solubility DMSO : 25 mg/mL (58.35 mM; Need ultrasonic)

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Praeruptorin C is a main bioactive constituent of Peucedanum praeruptorum (also known as Bai-Hua Qian Hu). Praeruptorin C is a calcium antagonist with pD₂' value of 5.7[1].

References:

[1]. Rao MR, et al. Effects of praeruptorin C and E isolated from 'Qian-Hu' on swine coronary artery and guinea-pig atria. Eur J Pharmacol. 1988 Oct 18;155(3):293-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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