

## Product Data Sheet

Product Name: (+)-Praeruptorin A

Cat. No.: GC40266

### Chemical Properties

Cas. No. 73069-27-9

SMILES O=C1C=CC(C=CC2=C3[C@H](OC(C)=O)[C@H](OC(/C(C)=C\C)=O)C(C)(C)O2)=C3O1

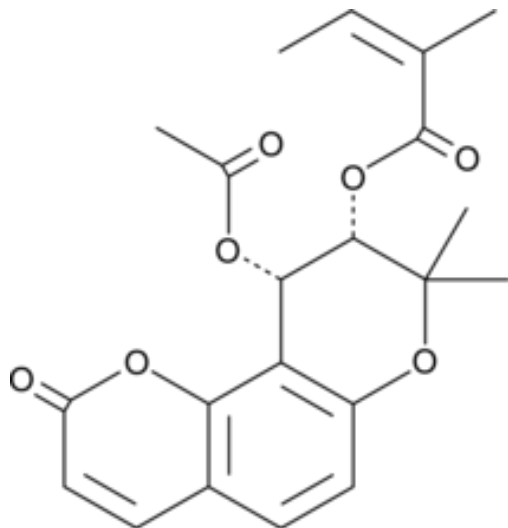
Formula C<sub>21</sub>H<sub>22</sub>O<sub>7</sub> M.Wt 386.4

Solubility DMF: 30 mg/ml, DMF:PBS (pH 7.2) (1:3): 0.25 mg/ml, DMSO: 20 mg/ml, Ethanol: 10 mg/ml Storage 4°C, protect from light

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 A is a coumarin derivative originally isolated from *P. praeruptorum*. It prevents LPS-induced increases in IL-1 $\beta$  and TNF- $\alpha$  in a concentration-dependent manner when used at concentrations ranging from 6.25 to 100  $\mu$ M and IL-6 at concentrations ranging from 25 to 100  $\mu$ M. It

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

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inhibits potassium chloride-induced contraction of isolated rabbit trachea by 50 and 100% when used at concentrations of 4.8 and 30  $\mu$ M, respectively. Topical administration of (+)-praeruptorin A (0.3  $\mu$ mol/cm<sup>2</sup>) reduces edema by 22% in a croton oil mouse model of inflammation.

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