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**Product Data Sheet**

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Product Name: Peucedanol

Cat. No.: GN10070

**Chemical Properties**

Cas. No. 28095-18-3

Chemical Name 6-[(2R)-2,3-dihydroxy-3-methylbutyl]-7-methoxychromen-2-one

SMILES CC(C)(C(CC1=C(C=C2C(=C1)C=CC(=O)O2)OC)O)OFormula  $C_{15}H_{18}O_5$  M.Wt 278.3

Solubility 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**

Peucedanol has been isolated from the roots of *Angelica pubescens* Maxim. f. *biserrata* Shan et Yuan [1]. The maximum test concentration of peucedanolat (125  $\mu$ M) showed no significant influence on cell viability. P-gp related efflux mechanism was associated with the transport of peucedanol [1].

## Reference:

[1]. Yang Y F, Xu W, Song W, et al. Transport of twelve coumarins from *Angelicae Pubescentis Radix* across a MDCK-pHaMDR cell monolayer—An in vitro model for blood-brain barrier permeability[J]. *Molecules*, 2015, 20(7): 11719-11732.

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

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