
Product Data Sheet

Product Name: Periplocymarin

Cat. No.: GC39059

Chemical Properties

Cas. No. 32476-67-8

SMILES O[C@@]12[C@@]3([H])[C@@](CC[C@@]1([C@@H](C4=CC(OC4)=O)CC2)C([H])[C@@]5([C@@](O)(C[C@@H](O[C@@]6([H])C[C@@H]([C@H](O)[C@@H](C)O6)OC)CC5)CC3)C

Formula C₃₀H₄₆O₈ M.Wt 534.68

Solubility Soluble in DMSO Storage Store at -20°C

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**

Periplocymarin, a cardiac glycoside isolated from *Periploca sepium* and *Periploca graeca*, is a potential anti-cancer compound [1][2].

[1]. Martey ON, et al. Periplocymarin is a potential natural compound for drug development: highly permeable with absence of P-glycoprotein efflux and cytochrome P450 inhibitions. *Biopharm Drug Dispos.* 2014 May;35(4):195-206. [2]. Redox-responsive PEGylated self-assembled prodrug-nanoparticles formed by single disulfide bond bridge periplocymarin-vitamin E conjugate for liver cancer chemotherapy. *Drug Deliv.* 2017 Nov;24(1):1170-1178.

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

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