
Product Data Sheet

Product Name: (S)-Falcarinol

Cat. No.: GC35000

Chemical Properties

Cas. No. 81203-57-8

SMILES CCCCCCC/C=C\C#CC#C[C@@H](O)C=CFormula C₁₇H₂₄O M.Wt 244.37

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**

(S)-Falcarinol (Panaxynol), one of the major polyacetylenes isolated from Panax ginseng, has antitumor activity. (S)-Falcarinol (Panaxynol) is the most potent antiplatelet agent in ginseng and its mechanism of action is chiefly due to the inhibition of thromboxane formation. (S)-Falcarinol (Panaxynol) is a potent Nrf2 activator[1][2][3]. Nrf2[3]

[1]. Mayer SF, et al. Chemoenzymatic asymmetric total syntheses of antitumor agents (3R,9R,10R)- and (3S,9R,10R)-Panaxytriol and (R)- and (S)-Falcarinol from Panax ginseng using an enantioconvergent enzyme-triggered cascade reaction. J Org Chem. 2002 Dec 27;67(26):9115-21. [2]. Teng CM, et al. Antiplatelet actions of panaxynol and ginsenosides isolated from ginseng. Biochim Biophys Acta. 1989 Mar 24;990(3):315-20. [3]. Qu C, et al. Identifying panaxynol, a natural activator of nuclear factor erythroid-2 related factor 2 (Nrf2) from American ginseng as a suppressor of inflamed macrophage-induced cardiomyocyte hypertrophy. J Ethnopharmacol. 2015 Jun 20;168:326-36.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA