

Product Data Sheet

Product Name: Glycy coumarin

Cat. No.: GC36163

Chemical Properties

Cas. No. 94805-82-0

SMILES O=C1C(C2=CC=C(O)C=C2O)=CC3=C(OC)C(C/C=C(C)\C)=C(O)C=C3O1

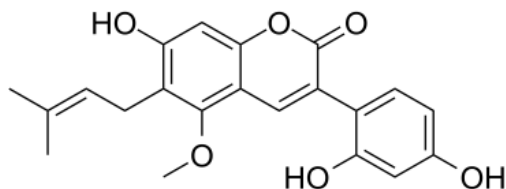
Formula $C_{21}H_{20}O_6$ M.Wt 368.38

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

Glycy coumarin is a major bioactive coumarin of licorice. Glycy coumarin inhibits hepatocyte lipoapoptosis through activation of autophagy and inhibition of ER stress-mediated JNK and GSK-3-mediated mitochondrial pathway. Glycy coumarin exerts anti-liver cancer activity by directly targeting T-LAK cell-originated protein kinase [1] [2].

[1]. Zhang E, et al. Glycy coumarin inhibits hepatocyte lipoapoptosis through activation of autophagy and inhibition of ER stress/GSK-3-mediated mitochondrial pathway. Sci Rep. 2016 Nov 30;6:38138.

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

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[2]. Song X, et al. Glycycoumarin exerts anti-liver cancer activity by directly targeting T-LAK cell-originated protein kinase. Oncotarget. 2016 Oct 4;7(40):65732-65743.

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