

Fezelol

Chemical Properties

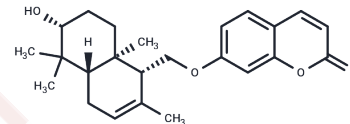
CAS No. : 51020-36-1

Formula: C₂₄H₃₀O₄

Molecular Weight: 382.49

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Fezelol is a sesquiterpene coumarin isolated from the fruits of <i>Ferula badrakema</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6144 mL	13.0722 mL	26.1445 mL
5 mM	0.5229 mL	2.6144 mL	5.2289 mL
10 mM	0.2614 mL	1.3072 mL	2.6144 mL
50 mM	0.0523 mL	0.2614 mL	0.5229 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mollazadeh S, Matin MM, Bahrami AR, Iranshahi M, Behnam-Rassouli M, Rassouli FB, Neshati V. Feslol enhances the cytotoxicity and DNA damage induced by cisplatin in 5637 cells. *Z Naturforsch C*. 2011 Nov-Dec;66(11-12):555-61. PubMed PMID: 22351980.

Mollazadeh S, Matin MM, Iranshahi M, Bahrami AR, Neshati V, Behnam-Rassouli F. The enhancement of vincristine cytotoxicity by combination with feslol. *J Asian Nat Prod Res*. 2010 Jul;12(7):569-75. doi: 10.1080/10286020.2010.485565. PubMed PMID: 20628935.

Iranshahi M, Barthomeuf C, Bayet-Robert M, Chollet P, Davoodi D, Piacente S, Rezaee R, Sahebkar A. Drimane-Type Sesquiterpene Coumarins from *Ferula gummosa* Fruits Enhance Doxorubicin Uptake in Doxorubicin-Resistant Human Breast Cancer Cell Line. *J Tradit Complement Med*. 2014 Apr;4(2):118-25. doi: 10.4103/2225-4110.126181. PubMed PMID: 24860735; PubMed Central PMCID: PMC4003701.

Oughlissi-Dehak K, Lawton P, Michalet S, Bayet C, Darbour N, Hadj-Mahammed M, Badjah-Hadj-Ahmed YA, Dijoux-Franca MG, Guilet D. Sesquiterpenes from aerial parts of *Ferula vesceritensis*. *Phytochemistry*. 2008 Jun;69(9):1933-8. doi: 10.1016/j.phytochem.2008.03.010. Epub 2008 May 14. PubMed PMID: 18485426.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481