

Britannilactone

Chemical Properties

CAS No. : 33620-72-3

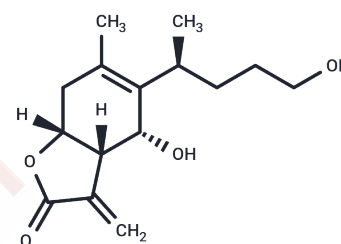
Formula: C₁₅H₂₂O₄

Molecular Weight: 266.33

Keep away from direct sunlight

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	Britannilactone (Desacetylinulicin) is a sesquiterpene from <i>Inula britannica</i> with anti-inflammatory and anti-tumor activity. Britannilactone has been associated with this antimelanotic activity and can be used in studies of skin whitening.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2 mg/mL (7.51 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7547 mL	18.7737 mL	37.5474 mL
5 mM	0.7509 mL	3.7547 mL	7.5095 mL
10 mM	0.3755 mL	1.8774 mL	3.7547 mL
50 mM	0.0751 mL	0.3755 mL	0.7509 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

Choo SJ, et al. Hypo-pigmenting effect of sesquiterpenes from *Inula britannica* in B16 melanoma cells. *Arch Pharm Res.* 2014 May;37(5):567-74.

Merten J, et al. Total synthesis of the cytotoxic 1,10-seco-eudesmanolides britannilactone and 1,6-O,O-diacetylbritannilactone. *Chemistry.* 2011 Mar 14;17(12):3332-4.

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