

Dihydrocucurbitacin B

Chemical Properties

CAS No. : 13201-14-4

Formula: C₃₂H₄₈O₈

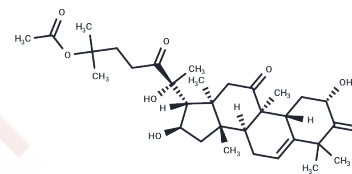
Molecular Weight: 560.72

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Dihydrocucurbitacin B (23,24-dihydrocucurbitacin B) is isolated from the roots of Cayaponia tayuya with anti-cancer activity.
Targets(IC50)	Apoptosis, COX, IL Receptor, TNF
In vitro	Dihydrocucurbitacin B inhibits NFAT and delayed-type hypersensitivity and induces cell cycle arrest in the G ₀ phase[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7834 mL	8.9171 mL	17.8342 mL
5 mM	0.3567 mL	1.7834 mL	3.5668 mL
10 mM	0.1783 mL	0.8917 mL	1.7834 mL
50 mM	0.0357 mL	0.1783 mL	0.3567 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

Lang KL, et al. Synthesis and cytotoxic activity evaluation of dihydrocucurbitacin B and cucurbitacin B derivatives. *Bioorg Med Chem.* 2012 May 1;20(9):3016-30.

Escandell JM, et al. Dihydrocucurbitacin B inhibits delayed type hypersensitivity reactions by suppressing lymphocyte proliferation. *J Pharmacol Exp Ther.* 2007 Sep;322(3):1261-8.

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