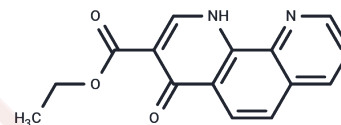


1,4-DPCA ethyl ester

Chemical Properties

CAS No. :	86443-19-8
Formula:	C ₁₅ H ₁₂ N ₂ O ₃
Molecular Weight:	268.27
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1,4-DPCA ethyl ester is a form of 1,4-DPCA modified to ethyl ester, which has potential anticancer activity based on growth inhibition assays with the mlh1 rad18 yeast strain.
Targets(IC50)	Others,HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	DMSO: 10 mg/mL (37.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.73 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7276 mL	18.6379 mL	37.2759 mL
5 mM	0.7455 mL	3.7276 mL	7.4552 mL
10 mM	0.3728 mL	1.8638 mL	3.7276 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 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

Biswadip Banerji, et al. The inhibition of factor inhibiting hypoxia-inducible factor (FIH) by beta-oxocarboxylic acids. Chem Commun (Camb). 2005 Nov 21;(43):5438-40.

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