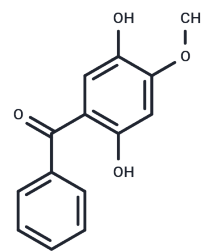


Cearoin

Chemical Properties

CAS No. :	52811-37-7
Formula:	C ₁₄ H ₁₂ O ₄
Molecular Weight:	244.24
Storage:	Keep away from direct sunlight 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	Cearoin is a natural product exhibiting anticancer activity by inducing autophagy, ERK activation, and apoptosis in SH-SY5Y neuroblastoma cells through ROS generation.
Targets(IC50)	Apoptosis,ERK,Bcl-2 Family,Reactive Oxygen Species,Caspase,Autophagy,PARP,ROS
In vitro	In human neuroblastoma SH-SY5Y cells, Cearoin (10-80 μM) significantly decreased cell viability in a dose-dependent manner and similarly stimulated phosphorylation of ERK and formation of LC3B-II in a dose-dependent way [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (163.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0943 mL	20.4717 mL	40.9433 mL
5 mM	0.8189 mL	4.0943 mL	8.1887 mL
10 mM	0.4094 mL	2.0472 mL	4.0943 mL
50 mM	0.0819 mL	0.4094 mL	0.8189 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

Tonking Bastola, et al. Cearoin Induces Autophagy, ERK Activation and Apoptosis via ROS Generation in SH-SY5Y Neuroblastoma Cells. Molecules. 2017 Feb 6;22(2):242.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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