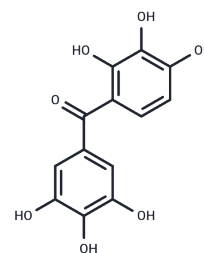


Exifone

Chemical Properties

CAS No. :	52479-85-3
Formula:	C ₁₃ H ₁₀ O ₇
Molecular Weight:	278.21
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	Exifone (NSC-680919) is a mixed, nonessential activator of HDAC1 that is capable of binding to both free and substrate-bound enzyme, resulting in an increased relative maximal rate of HDAC1-catalyzed deacetylation.
Targets(IC50)	HDAC

Solubility Information

Solubility	DMSO: 250 mg/mL (898.6 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	3.5944 mL	17.972 mL	35.9441 mL
5 mM	0.7189 mL	3.5944 mL	7.1888 mL
10 mM	0.3594 mL	1.7972 mL	3.5944 mL
50 mM	0.0719 mL	0.3594 mL	0.7189 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

Patnaik D, et al. Exifone Is a Potent HDAC1 Activator with Neuroprotective Activity in Human Neuronal Models of Neurodegeneration. ACS Chem Neurosci. 2021 Jan 20;12(2):271-284.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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