

Et-29

Chemical Properties

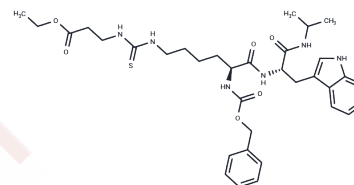
CAS No. : 2166487-23-4

Formula: C34H46N6O6S

Molecular Weight: 666.83

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	Et-29 is a selective inhibitor of SIRT5 inhibitor with a Ki of 40 nM.
Targets(IC50)	Sirtuin

Solubility Information

Solubility	DMSO: 200 mg/mL (299.93 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	5% DMSO+40% PEG300+5% Tween-80+50% ddH2O: 10 mg/mL (15 mM) <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	1.4996 mL	7.4982 mL	14.9963 mL
5 mM	0.2999 mL	1.4996 mL	2.9993 mL
10 mM	0.150 mL	0.7498 mL	1.4996 mL
50 mM	0.030 mL	0.150 mL	0.2999 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

Li M , Melnick A M . Non-oncogene Addiction to SIRT5 in Acute Myeloid Leukemia[J]. American Association for Cancer Research Journals, 2021(3).

Rajabi N, et al. Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. Angew Chem Int Ed Engl. 2017;56(47):14836-14841.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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