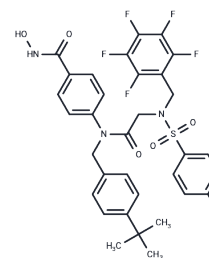


AES-135

Chemical Properties

CAS No. : 2361659-61-0
 Formula: C₃₃H₂₉F₆N₃O₅
 Molecular Weight: 693.66
 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	AES-135 is a potent HDAC inhibitor, inhibits HDAC3, HDAC6, HDAC11 (IC ₅₀ s: 654, 190, and 636 nM) with anti-tumor activity.
Targets(IC ₅₀)	HDAC

Solubility Information

Solubility	DMSO: 100 mg/mL (144.16 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (4.76 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	1.4416 mL	7.2081 mL	14.4163 mL
5 mM	0.2883 mL	1.4416 mL	2.8833 mL
10 mM	0.1442 mL	0.7208 mL	1.4416 mL
50 mM	0.0288 mL	0.1442 mL	0.2883 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

Shouksmith AE, et al. Identification and Characterization of AES-135, a Hydroxamic Acid-Based HDAC Inhibitor That Prolongs Survival in an Orthotopic Mouse Model of Pancreatic Cancer. J Med Chem. 2019 Mar 14;62(5):2651-2665.

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