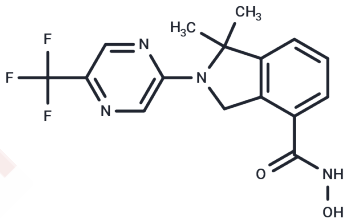
Data Sheet (Cat.No.T11329)

TargetMol

FT895

Chemical Properties



CAS No. : 2225728-57-2

Formula: C16H15F3N4O2

Molecular Weight: 352.31

Storage: Store at low temperature,Keep away from moisture
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	FT895 is a selective and potent HDAC11 inhibitor with antifungal and antitumor activity, inhibiting HDAC11 expression and limiting EV71 replication in vitro (in vitro).
Targets(IC50)	HDAC,Antifungal
In vitro	FT895 is a highly selective inhibitor of HDAC11, exhibiting over 1000-fold selectivity against the other 10 members of the HDAC family[1].

Solubility Information

Solubility	DMSO: 150 mg/mL (425.76 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: 10 mg/mL (28.38 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (28.38 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8384 mL	14.192 mL	28.3841 mL
5 mM	0.5677 mL	2.8384 mL	5.6768 mL
10 mM	0.2838 mL	1.4192 mL	2.8384 mL
50 mM	0.0568 mL	0.2838 mL	0.5677 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

Martin MW, et al. Discovery of novel N-hydroxy-2-arylisoindoline-4-carboxamides as potent and selective inhibitors of HDAC1Bioorg Med Chem Lett. 2018 Jul 1;28(12):2143-2147.