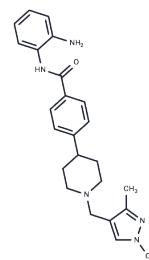


CXD101

Chemical Properties

CAS No. :	934828-12-3
Formula:	C ₂₄ H ₂₉ N ₅ O
Molecular Weight:	403.52
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	CXD101 is a novel class I-selective HDACi (HDAC1 (IC ₅₀ : 63nM), HDAC2 (IC ₅₀ :570nM), HDAC3 (IC ₅₀ :550nM)). CXD101(CXD-101) has no activity against HDAC class II
Targets(IC ₅₀)	HDAC

Solubility Information

Solubility	DMSO: 31 mg/mL (76.82 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: 2 mg/mL (4.96 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	2.4782 mL	12.391 mL	24.7819 mL
5 mM	0.4956 mL	2.4782 mL	4.9564 mL
10 mM	0.2478 mL	1.2391 mL	2.4782 mL
50 mM	0.0496 mL	0.2478 mL	0.4956 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

Eyre TA, et al. Predictive biomarkers for disease sensitivity in lymphoma - the holy grail for HDAC inhibitors?
Oncotarget. 2018 Dec 18;9(99):37280-37281.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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