

## HDAC-IN-3

## Chemical Properties

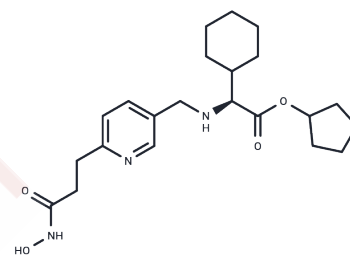
CAS No. : 1018673-42-1

Formula: C<sub>22</sub>H<sub>33</sub>N<sub>3</sub>O<sub>4</sub>

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	HDAC-IN-3 (GSK3117391A) is a potent histone deacetylase (HDAC) inhibitor, and treatment chronic inflammatory disorders.
Targets(IC50)	HDAC

## Solubility Information

Solubility	DMSO: 4.04 mg/mL (10.01 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: 1 mg/mL (2.48 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

Davidson Alan Hornsby, et al. Preparation of amino acid-based hydroxamic acids as histone deacetylase (HDAC) inhibitors. From PCT Int. Appl. (2008), WO 2008040934 A1 20080410.

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