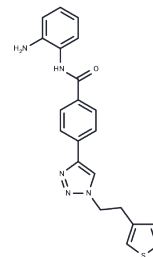


## HDAC3-IN-T247

## Chemical Properties

CAS No. :	1451042-18-4
Formula:	C <sub>21</sub> H <sub>19</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	389.47
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	HDAC3-IN-T247 (HDAC3 inhibitor T247) is a selective and potent histone deacetylase 3 (HDAC3) inhibitor with anticancer and antiviral activities. HDAC3-IN-T247 induces NF-κB acetylation in human colon cancer HCT116 cells in a dose-dependent manner. HDAC3-IN-T247 inhibits cancer cell proliferation. HDAC3-IN-T247 inhibits cancer cell proliferation.
Targets(IC50)	Histone Demethylase, Antiviral, HDAC

## Solubility Information

Solubility	DMSO: 20 mg/mL (51.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5676 mL	12.838 mL	25.6759 mL
5 mM	0.5135 mL	2.5676 mL	5.1352 mL
10 mM	0.2568 mL	1.2838 mL	2.5676 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 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

Suzuki T, et al. Identification of highly selective and potent histone deacetylase 3 inhibitors using click chemistry-based combinatorial fragment assembly. PLoS One. 2013 Jul 16;8(7):e68669.

**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