

## HDAC6-IN-10

## Chemical Properties

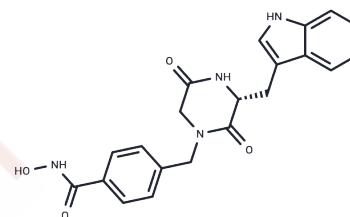
CAS No. : 2408286-73-5

Formula: C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 392.41

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	HDAC6-IN-10 is a potent and specific HDAC6 inhibitor, exhibiting an IC <sub>50</sub> value of 0.73 nM. It demonstrates remarkable selectivity towards HDAC6, with a selectivity range of 144 to 10,941-fold over other HDAC isoforms. Furthermore, HDAC6-IN-10 exhibits notable anti-proliferative effects on multiple myeloma cells [1].
Targets(IC <sub>50</sub> )	Others, Microtubule Associated, HDAC
In vitro	HDAC6-IN-10 (Compound 21b) demonstrates high specificity for inhibiting HDAC6 when administered at 0.1 to 10 μM over 24 hours [1]. At 0 to 100 μM over 72 hours, it exerts anti-proliferative effects on multiple myeloma cell lines RPMI-8226 and U266 [1]. In HCT-116 Western Blot analyses with 0.1, 1, and 10 μM over 24 hours, a dose-dependent increase in Ac-tubulin levels was observed. Cell Proliferation Assays showed inhibition of RPMI-8226 and U266 cell growth, with IC <sub>50</sub> values of 33.183 μM and 43.233 μM, respectively [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5484 mL	12.7418 mL	25.4836 mL
5 mM	0.5097 mL	2.5484 mL	5.0967 mL
10 mM	0.2548 mL	1.2742 mL	2.5484 mL
50 mM	0.051 mL	0.2548 mL	0.5097 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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