

## mTOR/HDAC-IN-1 HCl

## Chemical Properties

CAS No. :

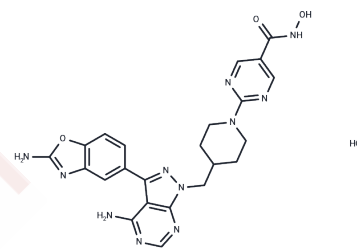
Formula: C<sub>23</sub>H<sub>24</sub>ClN<sub>11</sub>O<sub>3</sub>

Molecular Weight: 537.96

Store at low temperature

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	mTOR/HDAC-IN-1 HCl is a potent dual inhibitor of mTOR and HDAC with potential anti-inflammatory, anti-proliferative, autophagy and apoptosis-inducing effects for cancer research.
Targets(IC50)	HDAC,mTOR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8589 mL	9.2944 mL	18.5887 mL
5 mM	0.3718 mL	1.8589 mL	3.7177 mL
10 mM	0.1859 mL	0.9294 mL	1.8589 mL
50 mM	0.0372 mL	0.1859 mL	0.3718 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

Zhang M, et al. Discovery of novel pyrazolopyrimidine derivatives as potent mTOR/HDAC bi-functional inhibitors via pharmacophore-merging strategy. Bioorg Med Chem Lett. 2021 Oct 1;49:128286.

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

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

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481