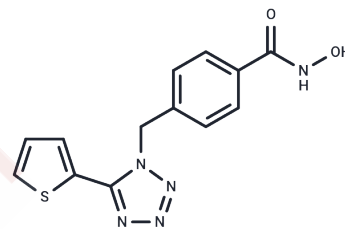


ITF3756

## Chemical Properties

CAS No. : 2247608-27-9  
 Formula: C<sub>13</sub>H<sub>11</sub>N<sub>5</sub>O<sub>2</sub>S  
 Molecular Weight: 301.32  
 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	ITF3756 is a selective HDAC6 inhibitor.
Targets(IC50)	HDAC

## Solubility Information

Solubility	DMSO: 55 mg/mL (182.53 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 (6.64 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	3.3187 mL	16.5937 mL	33.1873 mL
5 mM	0.6637 mL	3.3187 mL	6.6375 mL
10 mM	0.3319 mL	1.6594 mL	3.3187 mL
50 mM	0.0664 mL	0.3319 mL	0.6637 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

Fossati G, et al. The selective HDAC6 inhibitor ITF3756 stimulates an antitumor immune response and leads to tumor regression in combination with anti CTLA-4 antibody in a colon carcinoma murine model. *Cancer Research*. 2022; 82(12\_Supplement): 1358-1358.

Ripamonti C, et al. P01. 24 The selective HDAC6 inhibitor ITF3756 increases the differentiation to central memory T cells with reduced exhaustion phenotype. 2020.

**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