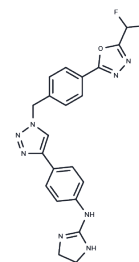


ITF5924

## Chemical Properties

CAS No. : 2760854-72-4  
 Formula: C<sub>21</sub>H<sub>18</sub>F<sub>2</sub>N<sub>8</sub>O  
 Molecular Weight: 436.42  
 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	ITF5924 (compound 1), a potent HDAC6 inhibitor featuring a difluoromethyl-1,3,4-oxadiazole (DFMO) moiety, exhibits an IC <sub>50</sub> of 7.7 nM and surpasses 104-fold selectivity over other HDAC subtypes. As a slow-binding substrate analog of HDAC6, ITF5924 undergoes an enzyme-catalyzed ring opening reaction, resulting in the formation of a stable, long-lasting enzyme-inhibitor complex [1].
Targets(IC <sub>50</sub> )	HDAC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2914 mL	11.4569 mL	22.9137 mL
5 mM	0.4583 mL	2.2914 mL	4.5827 mL
10 mM	0.2291 mL	1.1457 mL	2.2914 mL
50 mM	0.0458 mL	0.2291 mL	0.4583 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

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