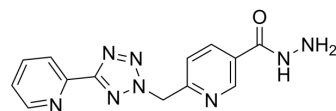


## HDAC6-IN-26

<b>Cat. No.:</b>	HY-157219		
<b>CAS No.:</b>	2991427-19-9		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>12</sub> N <sub>8</sub> O		
<b>Molecular Weight:</b>	296.29		
<b>Target:</b>	HDAC		
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (337.51 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.3751 mL	16.8754 mL	33.7507 mL
		5 mM	0.6750 mL	3.3751 mL	6.7501 mL
10 mM		0.3375 mL	1.6875 mL	3.3751 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 2.5 mg/mL (8.44 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.44 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: 2.5 mg/mL (8.44 mM); Clear solution; Need ultrasonic</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	HDAC6-IN-26 (compound 23) is a potent inhibitor of HDAC6 <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	HDAC6 <sup>[1]</sup>

### REFERENCES

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[1]. Ripa L et al. Selective and Bioavailable HDAC6 2-(Difluoromethyl)-1,3,4-oxadiazole Substrate Inhibitors and Modeling of Their Bioactivation Mechanism. J Med Chem. 2023 Oct 26;66(20):14188-14207.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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