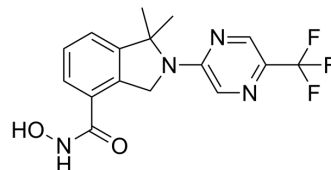


## FT895

<b>Cat. No.:</b>	HY-112285		
<b>CAS No.:</b>	2225728-57-2		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>15</sub> F <sub>3</sub> N <sub>4</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	352.31		
<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 : 125 mg/mL (354.80 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	2.8384 mL	14.1920 mL	28.3841 mL
	<b>5 mM</b>	0.5677 mL	2.8384 mL	5.6768 mL
	<b>10 mM</b>	0.2838 mL	1.4192 mL	2.8384 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: ≥ 2.08 mg/mL (5.90 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.90 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (5.90 mM); Clear solution</li> </ol>			

### BIOLOGICAL ACTIVITY

<b>Description</b>	FT895 is a potent and selective HDAC11 inhibitor with an IC <sub>50</sub> of 3 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	HDAC11 3 nM (IC <sub>50</sub> )
<b>In Vitro</b>	FT895 is a highly selective HDAC11 inhibitor showing greater than 1000-fold selectivity against the other 10 members of the HDAC family <sup>[1]</sup> .

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MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## CUSTOMER VALIDATION

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- Redox Biol. 3 September 2022, 102461.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Martin MW, et al. Discovery of novel N-hydroxy-2-arylisoindoline-4-carboxamides as potent and selective inhibitors of HDAC11. Bioorg Med Chem Lett. 2018 Jul 1;28(12):2143-2147.

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

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