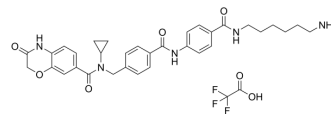


## UNC8153 TFA

Cat. No.:	HY-157251
CAS No.:	2929304-61-8
Molecular Formula:	C <sub>35</sub> H <sub>38</sub> F <sub>3</sub> N <sub>5</sub> O <sub>7</sub>
Molecular Weight:	697.7
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (143.33 mM; Need ultrasonic)					
	H <sub>2</sub> O : 12.5 mg/mL (17.92 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.4333 mL	7.1664 mL	14.3328 mL
			5 mM	0.2867 mL	1.4333 mL	2.8666 mL
10 mM			0.1433 mL	0.7166 mL	1.4333 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.58 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.58 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.58 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	UNC8153 TFA is a potent and selective nuclear receptor-binding SET domain-containing 2 (NSD2)-targeted degrader with a K <sub>d</sub> of 24 nM. UNC8153 TFA reduces the cellular levels of both NSD2 protein and the H3K36me2 chromatin mark. UNC8153 TFA contains a simple warhead that confers proteasome-dependent degradation of NSD2 <sup>[1]</sup> .
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### REFERENCES

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

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