

UNC8153 TFA

## Chemical Properties

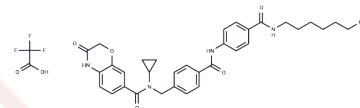
CAS No. : 2929304-61-8

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

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	UNC8153 TFA is a selective and potent NSD2 protein degrader with anticancer activity. UNC8153 TFA induces NSD2 degradation in MM.1S multiple myeloma cells and inhibits the proliferation of MM.1S cells.
Targets(IC50)	Histone Methyltransferase

## Solubility Information

Solubility	DMF: 30 mg/mL (43 mM),Sonication is recommended. H <sub>2</sub> O: 5 mg/mL (7.17 mM),Sonication is recommended. Ethanol: 30 mg/mL (43 mM),Sonication is recommended. DMSO: 30 mg/mL (43 mM),Sonication is recommended. PBS pH 7.2: 5 mg/mL (7.17 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 (2.87 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

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	1mg	5mg	10mg
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
50 mM	0.0287 mL	0.1433 mL	0.2867 mL

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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

Ronan P Hanley, et al. Discovery of a Potent and Selective Targeted NSD2 Degradar for the Reduction of H3K36me2. J Am Chem Soc. 2023 Apr 12;145(14):8176-8188.

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