

NRX-252114

## Chemical Properties

CAS No. : 2763260-39-3

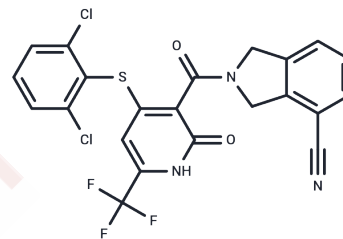
Formula: C<sub>22</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 510.32

Keep away from direct sunlight

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	NRX-252114 (NRX252114) induces degradation of mutant $\beta$ -catenin NRX-252114 is a potent enhancer of the interaction of $\beta$ -catenin with the homologous E3 ligase SCF $\beta$ -TrCP, and is able to enhance the binding of pSer33/S37A $\beta$ -catenin to $\beta$ -TrCP with an EC <sub>50</sub> of 6.5 nM and a K <sub>d</sub> of 0.4 nM. K <sub>d</sub> is 0.4 nM.
Targets(IC <sub>50</sub> )	Molecular Glues,Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 100 mg/mL (195.96 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: 10 mg/mL (19.6 mM),Suspension. 10% DMSO+90% Saline: < 10 mg/mL (19.6 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.9596 mL	9.7978 mL	19.5955 mL
5 mM	0.3919 mL	1.9596 mL	3.9191 mL
10 mM	0.196 mL	0.9798 mL	1.9596 mL
50 mM	0.0392 mL	0.196 mL	0.3919 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

Simonetta KR, et al. Prospective discovery of small molecule enhancers of an E3 ligase-substrate interaction. Nat Commun. 2019 Mar 29;10(1):1402.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481