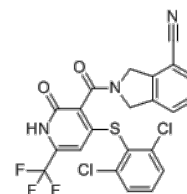


**Product Name** : NRX-252114  
**Cat. No.** : PC-36151  
**CAS No.** : 2763260-39-3  
**Molecular Formula** : C<sub>22</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 510.312  
**Target** : PROTAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

NRX-252114 (NRX 252114, NRX252114) is a potent, small molecule  $\beta$ -TrCP-based degrader of  **$\beta$ -catenin**, potentiates pSer33/S37A  $\beta$ -catenin binding and ubiquitylation (EC<sub>50</sub>=6.5 nM).

NRX-252114 enhances the binding of pSer33/S37A  $\beta$ -catenin peptide for  $\beta$ -TrCP with >1500-fold cooperativity, surpassing the affinity of WT doublyphosphorylated peptide in vitro, induces the degradation of an engineered mutant  $\beta$ -Catenin in a cellular system; inserts into a naturally occurring PPI interface, with contacts optimized for both the substrate and ligase within the same small molecule entity, which is distinct from PROTACs.

## References

Simonetta KR, et al. *Nat Commun.* 2019 Mar 29;10(1):1402.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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