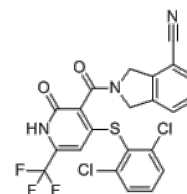


Product Name : NRX-252114
Cat. No. : PC-36151
CAS No. : 2763260-39-3
Molecular Formula : C₂₂H₁₂Cl₂F₃N₃O₂S
Molecular Weight : 510.312
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

NRX-252114 (NRX 252114, NRX252114) is a potent, small molecule β -TrCP-based degrader of **β -catenin**, potentiates **pSer33/S37A β -catenin** binding and ubiquitylation (EC₅₀=6.5 nM).

NRX-252114 enhances the binding of pSer33/S37A β -catenin peptide for β -TrCP with >1500-fold cooperativity, surpassing the affinity of WT doublyphosphorylated peptide in vitro.

NRX-252114 induces the degradation of an engineered mutant β -Catenin in a cellular system.

NRX-252114 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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