

Product Name: NRX 252114

Catalog No.: 7990

Batch No.: 1

CAS Number: 2763260-39-3

IUPAC Name: 2-[[4-[(2,6-Dichlorophenyl)thio]-1,2-dihydro-2-oxo-6-(trifluoromethyl)-3-pyridinyl]carbonyl]-2,3-dihydro-1*H*-isoindole-4-carbonitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₁₂Cl₂F₃N₃O₂S.

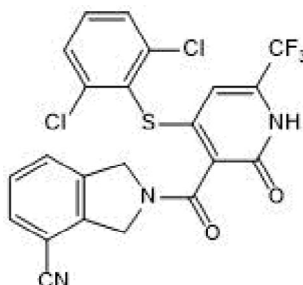
Batch Molecular Weight: 510.31

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 10 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.78	2.37	8.23
Found	51.74	2.28	8.23

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Description:

NRX-252114 is a potent enhancer of the interaction between S37A mutant β -catenin, and its cognate E3 ligase, SCF β -TrCP (EC₅₀ = 6.5 nM; K_d = 0.4 nM). NRX-252114 is a molecular glue degrader that binds at the phosphoserine binding site on β -TrCP and induces mutant β -catenin ubiquitination and subsequent degradation.

Physical and Chemical Properties:

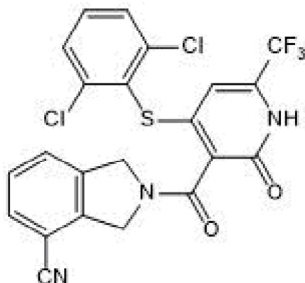
Batch Molecular Formula: C₂₂H₁₂Cl₂F₃N₃O₂S.

Batch Molecular Weight: 510.31

Physical Appearance: White solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



References:

Simonetta et al (2019) Prospective discovery of small molecule enhancers of an E3 ligase-substrate interaction. *Nat. Commun.* **10** 1402. PMID: 30926793.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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