

Product data sheet



MedKoo Cat#: 408041 Name: NTN21277 CAS: 2230821-27-7 Chemical Formula: C ₄₇ H ₅₇ ClFN ₇ O ₈ S Exact Mass: 933.3662 Molecular Weight: 934.5224		
Product supplied as:		Powder
Purity (by HPLC):		≥ 98%
Shipping conditions		Ambient temperature
Storage conditions:		Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

NTN21277, also known as Gefitinib-based PROTAC 3 is a VHL-recruiting PROTAC that induces the degradation of EGFR and EGFR mutants with DC50 of 11.7 nM and 22.3 nM for HCC827 cell (Exon 19 del) and H3255 cell (L858R). This product has no formal name at the moment. For the convenience of communication, a temporary code name was therefore proposed according to MedKoo Chemical Nomenclature (see web page: <https://www.medkoo.com/page/naming>).

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	25.0	26.75
DMF:PBS (pH 7.2) (1:3)	0.25	0.27
DMSO	67.36	72.08
Ethanol	55.0	58.85

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.07 mL	5.35 mL	10.70 mL
5 mM	0.21 mL	1.07 mL	2.14 mL
10 mM	0.11 mL	0.54 mL	1.07 mL
50 mM	0.02 mL	0.11 mL	0.21 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Gefitinib-based PROTAC 3, conjugating an EGFR binding element to a von Hippel-Lindau ligand via a linker, induces EGFR degradation with DC50s of 11.7 nM and 22.3 nM in HCC827(exon 19 del) and H3255 (L858R mutant) cells.

In vitro activity

Product data sheet



TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.