

Product data sheet



MedKoo Cat#: 555560 Name: SNIPER(CRABP)-11 CAS#: 1384275-50-6 Chemical Formula: C ₆₀ H ₈₃ N ₇ O ₁₀ Exact Mass: 1061.6201 Molecular Weight: 1062.36		
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:

SNIPER(CRABP)-11, also known as PROTAC cIAP1 degrader-4, is a potent protein degrader. SNIPER(CRABP)-11 displayed degradation activity toward the mitochondrial CRABP-II protein.

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
To be determined	To be determined	To be determined

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	0.94 mL	4.71 mL	9.41 mL
5 mM	0.19 mL	0.94 mL	1.88 mL
10 mM	0.09 mL	0.47 mL	0.94 mL
50 mM	0.02 mL	0.09 mL	0.19 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

- Okuhira K, Shoda T, Omura R, Ohoka N, Hattori T, Shibata N, Demizu Y, Sugihara R, Ichino A, Kawahara H, Itoh Y, Ishikawa M, Hashimoto Y, Kurihara M, Itoh S, Saito H, Naito M. Targeted Degradation of Proteins Localized in Subcellular Compartments by Hybrid Small Molecules. *Mol Pharmacol.* 2017 Mar;91(3):159-166. doi: 10.1124/mol.116.105569. Epub 2016 Dec 13. PMID: 27965304.

In vivo study

To be determined

7. Bioactivity

Biological target:

SNIPER(CRABP)-11 had degradation activity toward the mitochondrial CRABP-II protein.

In vitro activity

This study highlighted SNIPER molecules' ability to target proteins in different cellular compartments. Different SNIPER(CRABP) variants were tested, but SNIPER(CRABP)-11 demonstrated degradation activity specifically for the mitochondrial CRABP-II protein. The E3 ligase responsible for degradation varied depending on the CRABP-II protein's localization.

Product data sheet



Reference: Mol Pharmacol. 2017 Mar;91(3):159-166. <https://pubmed.ncbi.nlm.nih.gov/27965304/>

In vivo activity

To be determined

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.