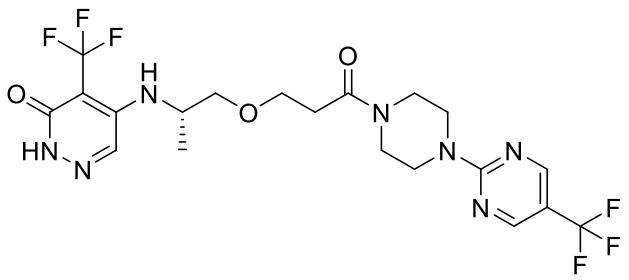
Product data sheet

MedKoo Cat#: 462554 Name: RBN-2397 CAS#: 2381037-82-5 Chemical Formula: $C_{20}H_{23}F_6N_7O_3$ Exact Mass: 523.1767 Molecular Weight: 523.4404	
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:
RBN-2397 is a potent, across species and orally active NAD+ competitive inhibitor of PARP7. RBN-2397 selectively binds to PARP7 and restores interferon (Type I) signaling. RBN-2397 has the potential for the study of advanced or metastatic solid tumors.

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
DMSO	200.0	382.1

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.91 mL	9.55 mL	19.10 mL
5 mM	0.38 mL	1.91 mL	3.82 mL
10 mM	0.19 mL	0.96 mL	1.91 mL
50 mM	0.04 mL	0.19 mL	0.38 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:
RBN-2397 is a potent NAD+ competitive inhibitor of PARP7 (IC50<3 nM) that selectively binds to PARP7 (Kd=0.001 μM) and restores IFN signaling.

In vitro activity
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.