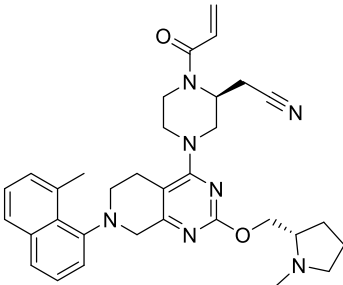


Product data sheet



MedKoo Cat#: 207086 Name: MRTX1257 CAS#: 2206736-04-9 Chemical Formula: C ₃₃ H ₃₉ N ₇ O ₂ Exact Mass: 565.3165 Molecular Weight: 565.72		
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:

MRTX1257 is a potent, selective, covalent and irreversible inhibitor of KRAS G12C, MRTX1257 inhibited KRAS dependent ERK phosphorylation in the H358cell assay with an IC₅₀= 900 pM. MRTX1257 demonstrated 31% bioavailability in the mouse, with free fraction exposures well above the cellular potency In a PK/PD experiment, 77% target engagement.

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	55.0	97.2

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.77 mL	8.84 mL	17.68 mL
5 mM	0.35 mL	1.77 mL	3.54 mL
10 mM	0.18 mL	0.88 mL	1.77 mL
50 mM	0.04 mL	0.18 mL	0.35 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

N/A

In vivo study

N/A

7. Bioactivity

Biological target:

MRTX-1257 is a covalent and orally active KRAS G12C inhibitor, with an IC₅₀ of 900 pM for KRAS dependent ERK phosphorylation in H358 cells.

In vitro activity

N/A

In vivo activity

N/A

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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.