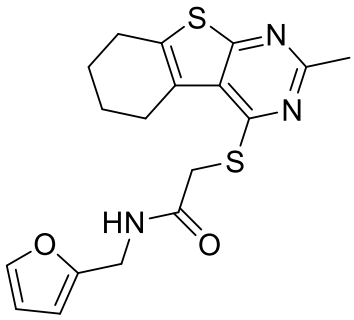
Product data sheet

MedKoo Cat#: 407835 Name: RHI002-Me CAS#: 314261-66-0 Chemical Formula: $C_{18}H_{19}N_3O_2S_2$ Exact Mass: 373.0919 Molecular Weight: 373.49	
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:
RHI002-Me is a methylated derivative of RHI002, a selective inhibitor of human RNaseH2.

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	2.68 mL	13.39 mL	26.77 mL
5 mM	0.54 mL	2.68 mL	5.35 mL
10 mM	0.27 mL	1.34 mL	2.68 mL
50 mM	0.05 mL	0.27 mL	0.54 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

1. Kim J, Yoon J, Ju M, Lee Y, Kim TH, Kim J, Sommer P, No Z, Cechetto J, Han SJ. Identification of two HIV inhibitors that also inhibit human RNaseH2. Mol Cells. 2013 Sep;36(3):212-8. doi: 10.1007/s10059-013-2348-z. Epub 2013 Sep 2. PMID: 24008364; PMCID: PMC3887976.

In vivo study

To be determined

7. Bioactivity
Biological target:

RHI002-Me ia a methylated analog of RHI002.

In vitro activity

RHI002 showed selective activity against human RNaseH2. Because RNaseH2 is involved in the etiology of Aicardi-Goutier syndrome and has been suggested as an anticancer drug target, RNaseH2 inhibitor would be useful for investigating the cellular function of this molecule.

Reference: Mol Cells. 2013 Sep;36(3):212-8. https://pubmed.ncbi.nlm.nih.gov/24008364/

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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.