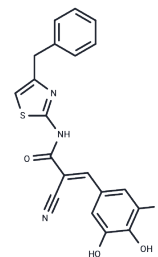


MU1409

## Chemical Properties

CAS No. : 2379671-78-8  
 Formula: C<sub>20</sub>H<sub>14</sub>BrN<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 456.312  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MU1409 is an MRE11 nuclease inhibitor with an IC <sub>50</sub> of 12.1 μM. It also inhibits FEN1 and EXO1, with IC <sub>50</sub> values of 24.2 μM and 176.4 μM, respectively. MU1409 impacts cellular DNA repair and prevents the degradation of stalled replication forks in BRCA2-deficient cells, making it a promising candidate for studying BRCA2 mutation-induced cancers.
Targets(IC <sub>50</sub> )	Endonuclease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1915 mL	10.9575 mL	21.9149 mL
5 mM	0.4383 mL	2.1915 mL	4.383 mL
10 mM	0.2191 mL	1.0957 mL	2.1915 mL
50 mM	0.0438 mL	0.2191 mL	0.4383 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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