

UNC8969

## Chemical Properties

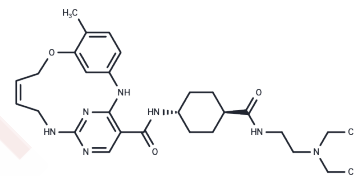
CAS No. :

Formula: C<sub>29</sub>H<sub>41</sub>N<sub>7</sub>O<sub>3</sub>

Molecular Weight: 535.68

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	UNC8969 is a macrocyclic dual MERTK/AXL inhibitor (IC <sub>50</sub> MERTK = 1.1 nM; IC <sub>50</sub> AXL = 5.3 nM). The compound exhibits low nanomolar activity against MERTK and AXL while demonstrating good selectivity over TYRO3 and FLT3. Target binding and selectivity have been confirmed through NanoBRET and cell-based MERTK and AXL phosphorylation assays. UNC8969 possesses excellent pharmacokinetic properties (large AUC and long half-life) and shows exceptional anti-tumor activity against lung cancer cell lines, indicating its potential as a therapeutic compound.
Targets(IC <sub>50</sub> )	TAM Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8668 mL	9.3339 mL	18.6679 mL
5 mM	0.3734 mL	1.8668 mL	3.7336 mL
10 mM	0.1867 mL	0.9334 mL	1.8668 mL
50 mM	0.0373 mL	0.1867 mL	0.3734 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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