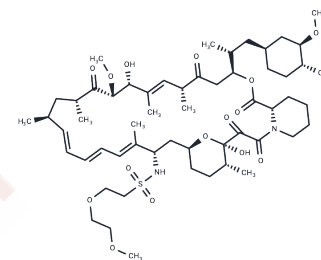


AV457

Chemical Properties

CAS No. : 2713387-11-0
 Formula: C55H88N2O16S
 Molecular Weight: 1065.36
 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	AV457 is a potent and selective inhibitor of mTOR. It effectively suppresses cyst growth in polycystic kidney disease (PKD) organoids. AV457 reduces the protein expression of P-s6 and P-p70s6, but it does not decrease the protein expression of P-AKT.
Targets(IC50)	mTOR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9386 mL	4.6932 mL	9.3865 mL
5 mM	0.1877 mL	0.9386 mL	1.8773 mL
10 mM	0.0939 mL	0.4693 mL	0.9386 mL
50 mM	0.0188 mL	0.0939 mL	0.1877 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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