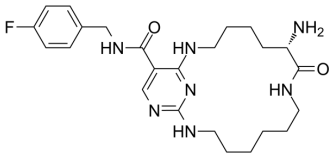
UNC2541

Cat. No.:	HY-125510
CAS No.:	1612782-86-1
Molecular Formula:	$C_{24}H_{34}FN_7O_2$
Molecular Weight:	471.57
Target:	TAM Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (21.21 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1206 mL	10.6029 mL	21.2058 mL
	5 mM	0.4241 mL	2.1206 mL	4.2412 mL
	10 mM	0.2121 mL	1.0603 mL	2.1206 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

UNC2541 is a potent and Mer tyrosine kinase (MerTK)-specific inhibitor, binds in the MerTK ATP pocket, with an IC_{50} of 4.4 nM, more selective over Axl, Tyro3 and Flt3. UNC2541 inhibits phosphorylated MerTK (pMerTK; EC_{50}, 510 nM)[1].

IC_{50} & Target

UNC2541 is a potent and Mer tyrosine kinase (MerTK)-specific inhibitor, binds in the MerTK ATP pocket, with an IC_{50} of 4.4 nM, more selective over Axl (IC_{50}, 120 nM), Tyro3 (IC_{50}, 220 nM) and Flt3 (IC_{50}, 320 nM). UNC2541 inhibits phosphorylated MerTK (pMerTK; EC_{50}, 510 nM)[1].

REFERENCES

[1]. McIver AL, et al. Discovery of Macrocyclic Pyrimidines as MerTK-Specific Inhibitors. ChemMedChem. 2017 Feb 3;12(3):207-213.

Caution: Product has not been fully validated for medical applications. For research use only.

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