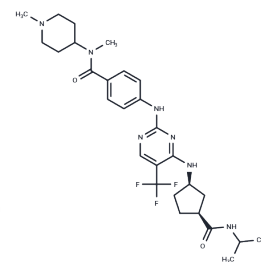


Aurora kinase inhibitor-14

Chemical Properties

CAS No. :	958226-81-8
Formula:	C ₂₈ H ₃₈ F ₃ N ₇ O ₂
Molecular Weight:	561.64
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	Aurora kinase inhibitor-14 (Compound 79) is an orally active and highly selective inhibitor of Aurora kinases, effectively inhibiting both Aurora A and Aurora B with IC ₅₀ values of 0.5 nM and 1.2 nM, respectively. It binds to the ATP binding site of Aurora kinases, blocking chromosome separation during mitosis and inducing apoptosis in tumor cells. Aurora kinase inhibitor-14 shows potential for research in various solid tumors and hematologic malignancies, such as non-small cell lung cancer, breast cancer, and acute myeloid leukemia.
Targets(IC ₅₀)	Apoptosis,Aurora Kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7805 mL	8.9025 mL	17.805 mL
5 mM	0.3561 mL	1.7805 mL	3.561 mL
10 mM	0.178 mL	0.8902 mL	1.7805 mL
50 mM	0.0356 mL	0.178 mL	0.3561 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481