

YLT-11

Chemical Properties

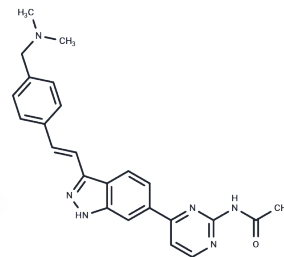
CAS No. :

Formula: C₂₄H₂₄N₆O

Molecular Weight: 412.49

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	YLT-11 is a potent, selective, and orally active inhibitor of polo-like kinase 4 (PLK4), with dissociation constant (K _d) values of >10000 nM for PLK1, 653 nM for PLK2, >10000 nM for PLK3, and 5.2 nM for PLK4. It demonstrates antiproliferative effects, induces apoptosis, and causes cell cycle arrest at the G ₂ /M phase, highlighting its anticancer activity.
Targets(IC ₅₀)	Apoptosis,Others,PLK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4243 mL	12.1215 mL	24.243 mL
5 mM	0.4849 mL	2.4243 mL	4.8486 mL
10 mM	0.2424 mL	1.2122 mL	2.4243 mL
50 mM	0.0485 mL	0.2424 mL	0.4849 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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