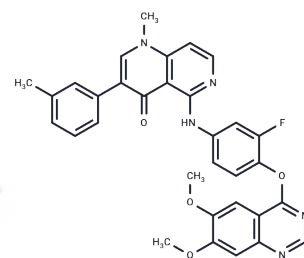


Axl-IN-18

Chemical Properties

CAS No. : 3040329-68-5
 Formula: C₃₂H₂₆N₅O₄
 Molecular Weight: 563.58
 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	Axl-IN-18 (compound 25c) serves as a potent and selective Type II AXL inhibitor. It exhibits remarkable AXL inhibitory activity with an IC ₅₀ of 1.1 nM and is 343 times more selective for AXL compared to the closely related kinase MET, which has an IC ₅₀ of 377 nM. Axl-IN-18 significantly inhibits cell proliferation driven by AXL, reduces 4T1 cell migration and invasion in a dose-dependent manner, and induces apoptosis. In the BaF3/TEL-AXL xenograft model, Axl-IN-18 demonstrates significant antitumor efficacy.
Targets(IC50)	Apoptosis, TAM Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7744 mL	8.8719 mL	17.7437 mL
5 mM	0.3549 mL	1.7744 mL	3.5487 mL
10 mM	0.1774 mL	0.8872 mL	1.7744 mL
50 mM	0.0355 mL	0.1774 mL	0.3549 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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