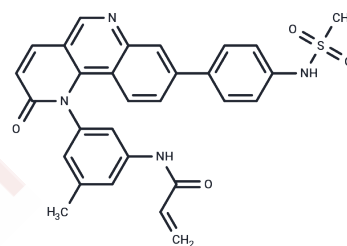


JS25

Chemical Properties

CAS No. : 2411771-95-2
 Formula: C₂₉H₂₄N₄O₅
 Molecular Weight: 524.59
 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	JS25 is a selective, covalent BTK inhibitor that deactivates BTK by chelating Tyr551, exhibiting an IC ₅₀ of 5.8 nM. It suppresses cancer cell proliferation, induces pronounced cell death, and enhances Burkitt's lymphoma murine xenograft model outcomes. Importantly, JS25 efficiently penetrates the blood-brain barrier.
Targets(IC ₅₀)	Others,BTK
In vitro	The 3-Hydroxybutyric acid medium can interact with lipids (using DPPC monolayer modeling) and alter phase behavior at clinical concentrations. The 3-Hydroxybutyric acid solid also reduces the interfacial viscosity of the DPPC monolayer.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9063 mL	9.5313 mL	19.0625 mL
5 mM	0.3813 mL	1.9063 mL	3.8125 mL
10 mM	0.1906 mL	0.9531 mL	1.9063 mL
50 mM	0.0381 mL	0.1906 mL	0.3813 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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