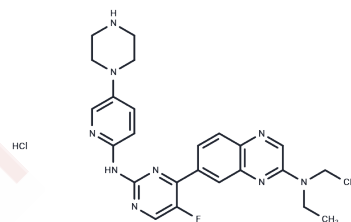


CDK6/PIM1-IN-1 hydrochloride

Chemical Properties

CAS No. :	2677026-15-0
Formula:	C ₂₅ H ₂₉ ClFN ₉
Molecular Weight:	510.01
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	CDK6/PIM1-IN-1 (Compound 51) hydrochloride is an orally active and potent dual inhibitor of CDK6 and PIM1, with IC ₅₀ values of 39 nM and 88 nM, respectively. It also inhibits CDK4 with an IC ₅₀ of 3.6 nM. This compound significantly suppresses the proliferation of acute myeloid leukemia (AML) cells, arrests the cell cycle at the G1 phase, and induces apoptosis. CDK6/PIM1-IN-1 hydrochloride demonstrates anti-AML activity.
Targets(IC ₅₀)	Apoptosis,CDK,Pim

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9607 mL	9.8037 mL	19.6075 mL
5 mM	0.3921 mL	1.9607 mL	3.9215 mL
10 mM	0.1961 mL	0.9804 mL	1.9607 mL
50 mM	0.0392 mL	0.1961 mL	0.3921 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

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