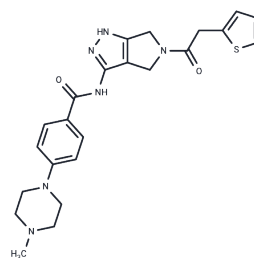


PHA-680626

Chemical Properties

CAS No. : 398493-74-8
 Formula: C₂₃H₂₆N₆O₂S
 Molecular Weight: 450.56
 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	PHA-680626 is a potent and selective PLK inhibitor. PHA-680626 exhibits anti-proliferative and pro-apoptotic activity on Imatinib-resistant chronic myeloid leukemia cell lines and primary CD34+ cells by inhibition of both Bcr-Abl tyrosine kinase and Aurora kinases. PHA-680626 inhibits Plk1 (IC ₅₀ = 0.53 μM), Plk2 (IC ₅₀ = 0.07 μM) and Plk3 (IC ₅₀ = 1.61 μM).
Targets(IC ₅₀)	Apoptosis,Others,Histone Methyltransferase,Bcr-Abl,Aurora Kinase,c-Myc

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2195 mL	11.0973 mL	22.1946 mL
5 mM	0.4439 mL	2.2195 mL	4.4389 mL
10 mM	0.2219 mL	1.1097 mL	2.2195 mL
50 mM	0.0444 mL	0.2219 mL	0.4439 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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