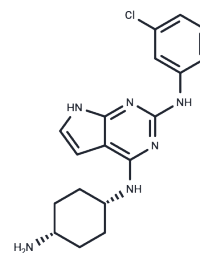


PAK4-IN-2

Chemical Properties

CAS No. :	2488706-33-6
Formula:	C ₁₈ H ₂₁ ClN ₆
Molecular Weight:	356.85
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PAK4-IN-2 is a potent and selective PAK4 inhibitor (IC ₅₀ = 23 nM). It suppresses migration and invasion by blocking PAK4-mediated cytoskeleton remodeling and survival signaling in cancer research.
Targets(IC ₅₀)	PAK
In vitro	PAK4-IN-2 inhibits MV4-11 (IC ₅₀ = 7.8 nM) and MDA-MB-231 (IC ₅₀ = 825 nM) growth, induces G ₀ /G ₁ arrest and apoptosis [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (224.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8023 mL	14.0115 mL	28.023 mL
5 mM	0.5605 mL	2.8023 mL	5.6046 mL
10 mM	0.2802 mL	1.4011 mL	2.8023 mL
50 mM	0.056 mL	0.2802 mL	0.5605 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.

Reference

Jiang X, et al. Recent applications of click chemistry in drug discovery. Expert Opin Drug Discov. 2019 Aug;14(8): 779-789.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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