

CDK8-IN-4

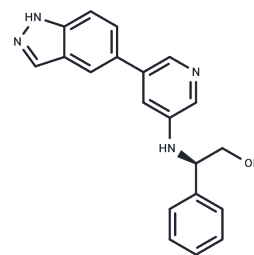
Chemical Properties

CAS No. : 1613638-82-6

Formula: C₂₀H₁₈N₄O

Molecular Weight: 330.38

Storage: Keep away from moisture, Keep away from direct sunlight
 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	CDK8-IN-4 (compound 16) is an effective CDK8 inhibitor (IC ₅₀ =0.2 nM) for studying CDK8-related cancers.
Targets(IC ₅₀)	CDK

Solubility Information

Solubility	DMSO: 80 mg/mL (242.15 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	3.0268 mL	15.1341 mL	30.2682 mL
5 mM	0.6054 mL	3.0268 mL	6.0536 mL
10 mM	0.3027 mL	1.5134 mL	3.0268 mL
50 mM	0.0605 mL	0.3027 mL	0.6054 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

Cheng Z, et al. Novel bi-ring phenyl-pyridines/pyrazines for the treatment of cancer. WO2014090692A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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