

PHD-IN-1

Chemical Properties

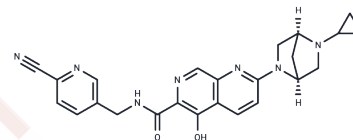
CAS No. : 2924182-31-8

Formula: C₂₄H₂₃N₇O₂

Molecular Weight: 441.49

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	PHD-IN-1 (compound 80) is a potent PHD2 inhibitor with an IC ₅₀ value of ≤5 nM and demonstrates EC ₅₀ values of 2.5 μM in EPO Elisa assays in both Caco2-HIF1α-HiBiT-clone-1 and Hep3B cell lines [1].
Targets(IC ₅₀)	HIF/HIF Prolyl-Hydroxylase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2651 mL	11.3253 mL	22.6506 mL
5 mM	0.453 mL	2.2651 mL	4.5301 mL
10 mM	0.2265 mL	1.1325 mL	2.2651 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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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