

PHD-IN-2

Chemical Properties

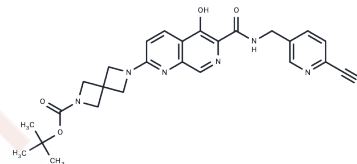
CAS No. : 2924182-42-1

Formula: C₂₆H₂₇N₇O₄

Molecular Weight: 501.54

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-2 (Compound 91), a potent PHD antagonist with an IC ₅₀ of less than 5 nM, effectively stimulates erythropoietin synthesis in HEP3B cells with an EC ₅₀ of less than 2.5 μM. It is applicable for research purposes across various medical fields, including cardiovascular, metabolic, hematological, pulmonary, kidney, liver, and wound healing disorders, as well as cancer [1].
Targets(IC ₅₀)	HIF/HIF Prolyl-Hydroxylase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9939 mL	9.9693 mL	19.9386 mL
5 mM	0.3988 mL	1.9939 mL	3.9877 mL
10 mM	0.1994 mL	0.9969 mL	1.9939 mL
50 mM	0.0399 mL	0.1994 mL	0.3988 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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