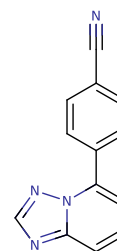


PHD-1-IN-1

Chemical Properties

CAS No. : 2009343-14-8
Formula: C₁₃H₈N₄
Molecular Weight: 220.23
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PHD-1-IN-1 is a potent inhibitor of hypoxia-inducible factor prolylhydroxylase domain-1 (PHD-1) enzyme (IC ₅₀ = 0.034 μM).
Targets (IC ₅₀)	HIF/HIF Prolyl-Hydroxylase
In vivo	Administration of PHD-1-IN-1 (3 mg/kg of p.o. or 0.5 mg/kg of i.v.) has a C _{max} of 0.8 μM, a AUC of 176 ng·h/mL, K _{p,uu} of 1.11 and B/P of 0.95[1].

Solubility Information

Solubility	DMSO: 11 mg/mL (49.95 mM), Sonification 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	4.5407 mL	22.7035 mL	45.4071 mL
5 mM	0.9081 mL	4.5407 mL	9.0814 mL
10 mM	0.4541 mL	2.2704 mL	4.5407 mL
50 mM	0.0908 mL	0.4541 mL	0.9081 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.

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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