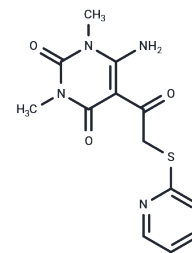


TM6089

Chemical Properties

CAS No. : 863421-32-3
 Formula: C₁₃H₁₄N₄O₃S
 Molecular Weight: 306.34
 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	TM6089 is an inhibitor of Prolyl Hydroxylase that stimulates HIF activity without iron chelation, induces angiogenesis, and protects organ against ischemia.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	DMSO: 37.5 mg/mL (122.41 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2643 mL	16.3217 mL	32.6435 mL
5 mM	0.6529 mL	3.2643 mL	6.5287 mL
10 mM	0.3264 mL	1.6322 mL	3.2643 mL
50 mM	0.0653 mL	0.3264 mL	0.6529 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

Nangaku M, et al. A novel class of prolyl hydroxylase inhibitors induces angiogenesis and exerts organ protection against ischemia. *Arterioscler Thromb Vasc Biol.* 2007 Dec;27(12):2548-54.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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