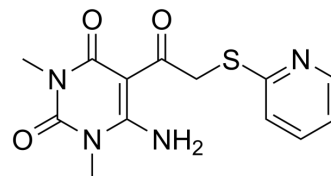


TM6089

Cat. No.:	HY-118543		
CAS No.:	863421-32-3		
Molecular Formula:	C ₁₃ H ₁₄ N ₄ O ₃ S		
Molecular Weight:	306.34		
Target:	HIF/HIF Prolyl-Hydroxylase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 41.67 mg/mL (136.03 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TM6089 is a unique Prolyl Hydroxylase (PHD) inhibitor which stimulates HIF activity without iron chelation and induces angiogenesis and exerts organ protection against ischemia. Local administration of TM6089 enhances angiogenesis, and oral administration stimulates HIF activity in transgenic rats expressing a hypoxia-responsive reporter vector^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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