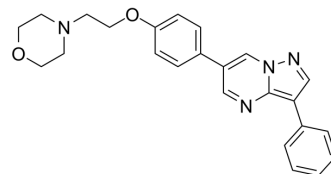


DMH4

Cat. No.:	HY-108443		
CAS No.:	515880-75-8		
Molecular Formula:	C ₂₄ H ₂₄ N ₄ O ₂		
Molecular Weight:	400.47		
Target:	VEGFR		
Pathway:	Protein Tyrosine Kinase/RTK		
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 : 5 mg/mL (12.49 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4971 mL	12.4853 mL	24.9707 mL
	5 mM	0.4994 mL	2.4971 mL	4.9941 mL
	10 mM	0.2497 mL	1.2485 mL	2.4971 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.5 mg/mL (1.25 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.5 mg/mL (1.25 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DMH4 is a potent and selective inhibitor of VEGFR2 with an IC₅₀ of 0.16 μM^[1].

IC₅₀ & Target

VEGFR2
0.16 μM (IC₅₀)

REFERENCES

- [1]. Hao J, et al. In vivo structure-activity relationship study of dorsomorphin analogues identifies selective VEGF and BMP inhibitors. ACS Chem Biol. 2010 Feb 19;5(2):245-

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA