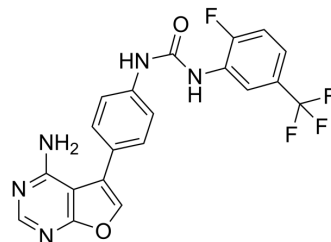


TIE-2/VEGFR-2 kinase-IN-2

Cat. No.:	HY-12572		
CAS No.:	501693-48-7		
Molecular Formula:	C ₂₀ H ₁₃ F ₄ N ₅ O ₂		
Molecular Weight:	431.34		
Target:	VEGFR; Tie		
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 : 50 mg/mL (115.92 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3184 mL	11.5918 mL	23.1836 mL
	5 mM	0.4637 mL	2.3184 mL	4.6367 mL
	10 mM	0.2318 mL	1.1592 mL	2.3184 mL

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

BIOLOGICAL ACTIVITY

Description

TIE-2/VEGFR-2 kinase-IN-2 is a potent dual VEGFR2 and Tie-2 inhibitor with pIC₅₀ values of 8.61 and 8.56, respectively^[1]. TIE-2/VEGFR-2 kinase-IN-2 is an anti-angiogenic agent and can be used for cancer research^[2].

IC₅₀ & Target

Tie2	VEGFR-2	Tie-2
8.56 nM (pIC ₅₀)		

REFERENCES

[1]. Yasushi Miyazaki, et al. Orally active 4-amino-5-diarylurea-furo[2,3-d]pyrimidine derivatives as anti-angiogenic agent inhibiting VEGFR2 and Tie-2. Bioorg Med Chem Lett. 2007 Mar 15;17(6):1773-8.

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

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