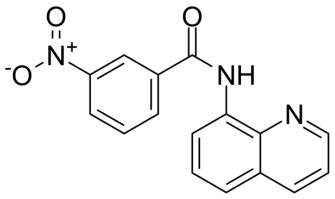
VEGFR-2-IN-29

Cat. No.:	HY-148040
CAS No.:	62802-77-1
Molecular Formula:	$C_{16}H_{11}N_3O_3$
Molecular Weight:	293.28
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 : 20 mg/mL (68.19 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.4097 mL	17.0486 mL	34.0971 mL
	5 mM	0.6819 mL	3.4097 mL	6.8194 mL
	10 mM	0.3410 mL	1.7049 mL	3.4097 mL

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

BIOLOGICAL ACTIVITY

Description

VEGFR-2-IN-29 (Compound 5) is a VEGFR-2 inhibitor with an IC_{50} of 16.5 nM[1].

IC_{50} & Target

VEGFR-2
16.5 nM (IC_{50})

In Vitro

VEGFR-2-IN-29 (Compound 5) (72 h) inhibits HUVEC proliferation[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	HUVEC
Concentration:	
Incubation Time:	72 h
Result:	Showed inhibition with IC_{50}s of 15.8 nM and 210 nM against VEGF- and bFGF-induced

	HUVEC proliferation.

REFERENCES

[1]. Yang Y, et al. Design, synthesis and biological evaluation of quinoline amide derivatives as novel VEGFR-2 inhibitors. Bioorg Med Chem Lett. 2010 Nov 15;20(22):6653-6.

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