VEGFR2-IN-2

Cat. No.: HY-147133

CAS No.: 737818-56-3

Molecular Formula: $C_{15}H_{11}BrN_2O$

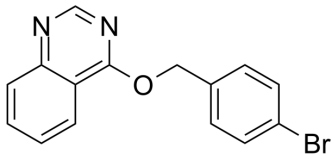
Molecular Weight: 315.16

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 : 100 mg/mL (317.30 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.1730 mL	15.8650 mL	31.7299 mL
5 mM	0.6346 mL	3.1730 mL	6.3460 mL
10 mM	0.3173 mL	1.5865 mL	3.1730 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

VEGFR2-IN-2 (compound 6e) is a potent and selective VEGFR2 inhibitor with an IC_{50} of 19.32 nM. VEGFR2-IN-2 can be used for researching

IC_{50} & Target

VEGFR2
19.32 nM (IC_{50})

REFERENCES

[1]. Sun J, et al. Design, synthesis, biological evaluation, and molecular modeling study of 4-alkoxyquinazoline derivatives as potential VEGFR2 kinase inhibitors. Org Biomol Chem. 2013 Nov 28;11(44):7676-86.

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