

TIE-2/VEGFR-2 kinase-IN-1

Chemical Properties

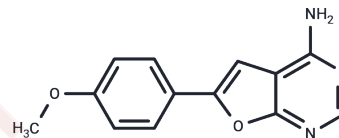
CAS No. : 453590-24-4

Formula: C₁₃H₁₁N₃O₂

Molecular Weight: 241.25

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	TIE-2/VEGFR-2 kinase-IN-1 is employed in the synthesis of TIE-2 and/or VEGFR-2 inhibitors for studying diseases associated with inappropriate angiogenesis [1].
Targets(IC50)	Others,Tie-2,VEGFR
In vitro	Angiopoietin-1, a ligand for the endothelium-specific receptor tyrosine kinase TIE-2, represents a novel angiogenic factor [1]. Inhibiting TIE-2 could disrupt the remodeling and maturation of new vasculature that angiogenesis initiates. Similarly, targeting the kinase domain binding site of VEGFR-2 to block tyrosine residue phosphorylation could hinder the onset of angiogenesis.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1451 mL	20.7254 mL	41.4508 mL
5 mM	0.829 mL	4.1451 mL	8.2902 mL
10 mM	0.4145 mL	2.0725 mL	4.1451 mL
50 mM	0.0829 mL	0.4145 mL	0.829 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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