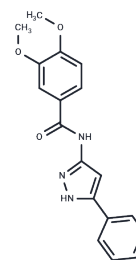


JK-P3

Chemical Properties

CAS No. : 942655-44-9
 Formula: C₁₈H₁₇N₃O₃
 Molecular Weight: 323.35
 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	JK-P3 is a pyrazole-based inhibitor of VEGFR-2 (IC ₅₀ : 7.8 μM). JK-P3 inhibits FGFR 1/3 kinase activity in vitro, but has no effect on FGFR signaling in cell-based assays. The compound blocks wound healing and tube formation in HUVEC without effecting endothelial cell proliferation.
Targets(IC ₅₀)	FGFR, VEGFR

Solubility Information

Solubility	DMSO: 60 mg/mL (185.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.19 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0926 mL	15.4631 mL	30.9262 mL
5 mM	0.6185 mL	3.0926 mL	6.1852 mL
10 mM	0.3093 mL	1.5463 mL	3.0926 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 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.

Reference

Antony M. Latham, et al. Identification of Receptor Tyrosine Kinase Inhibitors Using Cell Surface Biotinylation and Affinity Isolation. VEGF Signaling pp 121-131 | Cite as

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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