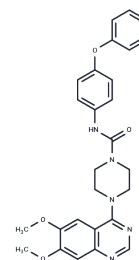


PDGFR Tyrosine Kinase Inhibitor III

Chemical Properties

CAS No. :	205254-94-0
Formula:	C ₂₇ H ₂₇ N ₅ O ₄
Molecular Weight:	485.53
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	PDGFR Tyrosine Kinase Inhibitor III (PDGF Receptor Tyrosine Kinase Inhibitor III) is a multikinase inhibitor that inhibits PDGFR, EGFR, FGFR, PKA, and PKC and can be used for research on amyotrophic lateral sclerosis [1].
Targets(IC50)	PDGFR

Solubility Information

Solubility	DMSO: 50 mg/mL (102.98 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: 1 mg/mL (2.06 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	2.0596 mL	10.298 mL	20.596 mL
5 mM	0.4119 mL	2.0596 mL	4.1192 mL
10 mM	0.206 mL	1.0298 mL	2.0596 mL
50 mM	0.0412 mL	0.206 mL	0.4119 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

Young-Min Lee. Compositions and methods for zika virus characterization and vaccine development. WO2019204654A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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