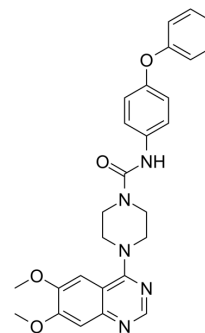


PDGFR Tyrosine Kinase Inhibitor III

Cat. No.:	HY-112412		
CAS No.:	205254-94-0		
Molecular Formula:	C ₂₇ H ₂₇ N ₅ O ₄		
Molecular Weight:	485.53		
Target:	PDGFR		
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 (205.96 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0596 mL	10.2980 mL	20.5961 mL
	5 mM	0.4119 mL	2.0596 mL	4.1192 mL
	10 mM	0.2060 mL	1.0298 mL	2.0596 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.67 mg/mL (3.44 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.67 mg/mL (3.44 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.67 mg/mL (3.44 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PDGFR Tyrosine Kinase Inhibitor III (PDGF Receptor Tyrosine Kinase Inhibitor III), a multikinase inhibitor, inhibits PDGFR, EGFR, FGFR, PKA, and PKC, respectively. PDGFR Tyrosine Kinase Inhibitor III can be used for the research of amyotrophic lateral sclerosis^[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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