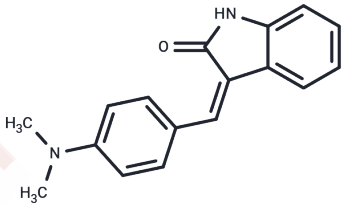
Data Sheet (Cat.No.T3570)

TargetMol

SU4312

Chemical Properties



CAS No. : 5812-07-7

Formula: C17H16N2O

Molecular Weight: 264.32

Appearance: no data available

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

Biological Description

Description	SU-4312, also known as DMBI, is a potent and selective inhibitor of VEGFR and PDGFR tyrosine kinases (IC50 values are 0.8 and 19.4 μM respectively). SU4312 (SU 4312) unexpectedly protects against MPP(+) -induced neurotoxicity via selective and direct inhibition of neuronal NOS.
Targets(IC50)	PDGFR,VEGFR

Solubility Information

Solubility	DMSO: 55 mg/mL (208.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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.

Reference

Li Y, et al. Vascular Endothelial Growth Factor-A (VEGF-A) Mediates Activin A-Induced Human Trophoblast Endothelial-Like Tube Formation. Endocrinology. 2015 Nov;156(11):4257-68.

Cui W, et al. The anti-cancer agent SU4312 unexpectedly protects against MPP(+) -induced neurotoxicity via selective and direct inhibition of neuronal NOS. Br J Pharmacol. 2013 Mar;168(5):1201-14.

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