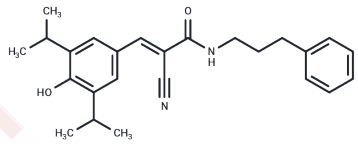
Data Sheet (Cat.No.T3980)

TargetMol

Su1498

Chemical Properties



CAS No. :	168835-82-3
Formula:	C25H30N2O2
Molecular Weight:	390.52
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	Su1498 (Tyrphostin SU 1498) is a selective inhibitor of the receptor tyrosine kinase VEGF receptor 2 (VEGFR2, aka FLK1; IC50 = 700 nM), having negligible activity at several other serine/threonine and tyrosine kinases.1, 2 It effectively blocks signaling through VEGFR2 both in vitro and in vivo.1, 3 SU 1498 is used to study the role of VEGFR2 signaling in diverse processes, including angiogenesis, tumor growth, neural progenitor cell survival, and neuroregeneration.
Targets(IC50)	VEGFR

Solubility Information

Solubility	DMSO: 150 mg/mL (384.1 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: 4 mg/mL (10.24 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5607 mL	12.8034 mL	25.6069 mL
5 mM	0.5121 mL	2.5607 mL	5.1214 mL
10 mM	0.2561 mL	1.2803 mL	2.5607 mL
50 mM	0.0512 mL	0.2561 mL	0.5121 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

Gawlak G, et al. Chronic high-magnitude cyclic stretch stimulates EC inflammatory response via VEGF receptor 2-dependent mechanism. Am J Physiol Lung Cell Mol Physiol. 2016 Jun 1;310(11):L1062-70.