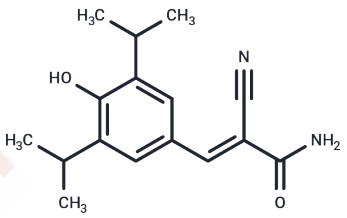
Data Sheet (Cat.No.T4511)

TargetMol

ST271

Chemical Properties



CAS No. : 106392-48-7

Formula: C16H20N2O2

Molecular Weight: 272.34

Appearance: no data available

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

Biological Description

Description	ST271 is an effective protein tyrosine kinase (PTK) inhibitor.
Targets(IC50)	Phospholipase,Tyrosine Kinases
In vitro	The formation of inositol phosphates,which is induced by FcγRII cross-linking, is inhibited by ST271 (100 μM).

Solubility Information

Solubility	DMSO: 50 mg/mL (183.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6719 mL	18.3594 mL	36.7188 mL
5 mM	0.7344 mL	3.6719 mL	7.3438 mL
10 mM	0.3672 mL	1.8359 mL	3.6719 mL
50 mM	0.0734 mL	0.3672 mL	0.7344 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

Martinson EA, et al. Inhibition of phospholipase D of human platelets by protein tyrosine kinase inhibitors. Cell Mol Biol (Noisy-le-grand). 1994 Jul;40(5):627-34.

Blake RA, et al. Fc gamma receptor II stimulated formation of inositol phosphates in human platelets is blocked by tyrosine kinase inhibitors and associated with tyrosine phosphorylation of the receptor.

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