



上海源叶生物科技有限公司  
Shanghai yuanye Bio-Technology Co., Ltd  
电话: 021-61312973 传真: 021-55068248  
网址: [www.shyuanye.com](http://www.shyuanye.com)  
邮箱: [shyysw@sina.com](mailto:shyysw@sina.com)

产品名称: **2-Propenamide,  
2-cyano-3-(4-hydroxy-3,5-bis(1-methylethyl)phenyl)-**  
产品别名: **ST271**

生物活性:					
Description	ST271 is a potent inhibitor of protein tyrosine kinase (PTK), inhibits phospholipase D activation stimulated by fMet-Leu-Phe and PAF, with IC <sub>50</sub> s of 6.7 and 9 μM, respectively.				
IC <sub>50</sub> & Target	IC <sub>50</sub> : 6.7 μM (phospholipase D, stimulated by fMet-Leu-Phe), 9 μM (phospholipase D, stimulated by PAF)[3]				
In Vitro	ST271 partially inhibits peptide phosphorylation in the membrane preparation and in permeabilized platelets[1]. ST271 (100 μM) causes complete inhibition of formation of inositol phosphates induced by FcγRII cross-linking, but also induces a small (< 30%) but significant inhibition of the response to thrombin and U46619[2].				
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : ≥ 110 mg/mL (403.91 mM)</b>  * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg	10 mg
		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
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时, 请在 6 个月内使用, -20℃ 储存时, 请在 1 个月内使用。				
References	[1]. 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. [2]. 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. [3]. Uings IJ, et al. Tyrosine phosphorylation is involved in receptor coupling to phospholipase D but not phospholipase C in the human neutrophil. Biochem J. 1992 Feb 1;281 (Pt 3):597-600.				