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产品名称: **Phenol, 3,3'-[(5-fluoro-2,4-pyrimidinediyl)diimino]bis-**
产品别名: **R112**

生物活性:				
Description	R112 is an ATP-competitive inhibitor of Syk kinase with a Ki of 96 nM. R112 inhibits Syk kinase activity with an IC50 of 226 nM. IC50 value: 226 nM [1] Target: Syk in vitro: R112 blocks leukotriene C4 production and all proinflammatory cytokines tested. Its onset of action was immediate, and the inhibition was reversible. R112 is able to completely inhibit all three IgE-induced mast cell functions: degranulation, lipid mediator production, and cytokine production. R112 potently, completely, and rapidly abrogated all mast cell activation cascades triggered by IgE receptor cross-linking.[1]			
Solvent&Solubility	In Vitro: DMSO : ≥ 41 mg/mL (131.28 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	3.2020 mL	16.0102 mL
		5 mM	0.6404 mL	3.2020 mL
		10 mM	0.3202 mL	1.6010 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]. Rossi AB, et al. Identification of the Syk kinase inhibitor R112 by a human mast cell screen. J Allergy Clin Immunol. 2006 Sep;118(3):749-755. [2]. Meltzer EO, et al. An intranasal Syk-kinase inhibitor (R112) improves the symptoms of seasonal allergic rhinitis in a park environment. J Allergy Clin Immunol. 2005 Apr;115(4):791-796.			