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产品名称: IRAK inhibitor 3
产品别名: IRAK inhibitor 3

生物活性:					
Description	IRAK inhibitor 3 is an interleukin-1 (IL-1) receptor-associated kinase (IRAK) kinase modulator extracted from patent WO2008030579 A2.				
IC ₅₀ & Target	IRAK[1]				
In Vitro	IRAK inhibitor 3 is an IRAK modulator, which can be used for treating an inflammatory condition, cell proliferative disorder, immune disorder[1].				
Solvent&Solubility	<i>In Vitro:</i> DMSO : 13 mg/mL (29.58 mM; Need ultrasonic and warming)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.2754 mL	11.3768 mL	22.7536 mL
		5 mM	0.4551 mL	2.2754 mL	4.5507 mL
		10 mM	0.2275 mL	1.1377 mL	2.2754 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°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。				
References	[1]. Thomas Durand-Reville, et al. Irak modulators for treating an inflammatory condition, cell proliferative disorder, immune disorder. WO 2008030579 A2.				
实验参考:					
Kinase Assay	5 μL of a solution of IRAK inhibitor 3 at a concentration of 50 μM or less in 1% (v/v) DMSO is added to the wells of a 96-well area Black Polystyrene plates. The final concentrations in the reaction well are 10 μM ATP, 0.5 μM IRAK4 CH373, 1.6 μM IRAK1 peptide, 1 mM MgCl ₂ , 2 mM DTT, 5 mM MnCl ₂ , 0.01 % BSA, and 0.01 % Tween-20. The volume of the reaction is 45 μL. The reaction mixture is incubated at room temperature for 30 minutes and stopped with the addition of 5 μL of 100 mM EDTA[1].				
References	[1]. Thomas Durand-Reville, et al. Irak modulators for treating an inflammatory condition, cell proliferative disorder, immune disorder. WO 2008030579 A2.				