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产品名称: **PLpro inhibitor**

产品别名: **PLpro inhibitor**

生物活性:				
Description	PLpro inhibitor is a potent inhibitor of papain-like protease (PLpro) with IC50 of 2.6 uM. IC50 Value: 2.6 uM [1] Target: PLpro; SARS-CoV in vitro: PLpro inhibitor is a potent inhibitor against the papain-like protease (PLpro) from the coronavirus that causes severe acute respiratory syndrome (SARS-CoV). PLpro inhibitor was found to have IC50 value of $2.6 \pm 0.1 \mu\text{M}$ . PLpro inhibitor display significant antiviral activity with EC50 values of $13.1 \pm 0.7 \mu\text{M}$ , without toxicity up to the highest concentration tested. Notably, the increasing antiviral potency correlates with the in vitro inhibition of PLpro, suggesting that the compounds work directly on the enzyme in cells [1,2]. in vivo:			
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : <math>\geq 42 \text{ mg/mL}</math> (121.24 mM)</b>  * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	2.8867 mL	14.4333 mL
		5 mM	0.5773 mL	2.8867 mL
		10 mM	0.2887 mL	1.4433 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]. Ratia, K., et al., A noncovalent class of papain-like protease/deubiquitinase inhibitors blocks SARS virus replication. Proc Natl Acad Sci U S A, 2008. 105(42): p. 16119-24. [2]. <a href="http://www.google.com/patents/WO2010022355A1cl=en">http://www.google.com/patents/WO2010022355A1cl=en</a>			