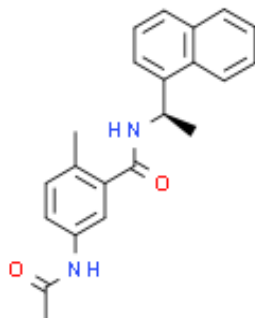


Product Data Sheet

Cas No.:	1093070-14-4	Cat. No:	PL11185
Product Name:	PLpro inhibitor		
Product synonym:	5-乙酰基氨基-2-甲基-n-(1R-萘-1-基-乙基)苯甲酰胺;5-(乙酰氨基)-2-甲基-N-[(1R)-1-(1-萘基)乙基]苯甲酰胺;5-乙酰-2-甲基-N-(1R-萘-1-基乙基)-苯甲酰胺		
Chemical name:	PLpro inhibitor		
MF:	C22H22N2O2	FW:	346.42228
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(C1=CC(NC(C)=O)=CC=C1C)N[C@H](C)C2=C(C=CC=C3)C3=CC=C2		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

PLpro inhibitor 是一种 papain-like protease (PLpro) 抑制剂, IC₅₀ 为 2.6 μM。PLpro inhibitor 还以 IC₅₀ 为 5.0 μM 和 EC₅₀ 为 21.0 μM 来抑制 SARS-CoV-2 PLpro。

生物活性	PLpro inhibitor is a potent inhibitor of papain-like protease (PLpro) with an IC ₅₀ of 2.6 μM. PLpro inhibitor inhibits SARS-CoV-2 PLpro with an IC ₅₀ of 5.0 μM and an EC ₅₀ of 21.0 μM.
IC ₅₀ & Target[1][2]	IC ₅₀ : 2.6 μM (Papain-like protease (PLpro)); 5.0 μM (SARS-CoV-2 PLpro) EC ₅₀ : 21.0 μM (SARS-CoV-2 PLpro)
体外研究(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 IC ₅₀ value of 2.6 μM. PLpro inhibitor display significant antiviral activity with EC ₅₀ values of 13.1 μM, 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. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (288.67 mM; Need ultrasonic)配制储备液