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产品名称: **SPK-601**

产品别名: **SPK-601**

生物活性:						
Description	SPK-601 (LMV-601) is an inhibitor of the phosphatidylcholine-specific phospholipase C (PC-PLC). SPK-601 also can be used as an antimicrobial agent[1].					
IC ₅₀ & Target	PC-PLC[1]					
In Vitro	SPK-601 (72 hours; HPV-31 cells) displays a dose dependent inhibitory effect on cell growth (IC50 of 16 μg/mL), and inhibits HPV-31 specific RNA expression and DNA replication[2].					
	Cell Viability Assay[2]					
	Cell Line:	9E human papilloma virus (HPV)-31 infected cervical epithelial cells				
	Concentration:					
	Incubation Time:	72 hours				
	Result:	A dose dependent inhibitory effect on cell growth.				
Solvent&Solubility	In Vitro:					
	DMSO : 5 mg/mL (18.76 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.7529 mL	18.7645 mL	37.5291 mL
		5 mM		0.7506 mL	3.7529 mL	7.5058 mL
		10 mM		0.3753 mL	1.8765 mL	3.7529 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]. Walker K.Interscience Conference on Antimicrobial Agents and Chemotherapy - 50th Annual Meeting - Research on Promising New Agents: Part 1.IDrugs. 2010 Nov;13(11):743-5. [2]. E. Amtmann, et al. Inhibition of high-risk HPV-31 in human cervical epithelial cells in vitro by the PC-PLC inhibitor LMV-601. ICID, March 2010, 14: e465.					