

产品说明书

基本信息

产品编号:	G10285				
产品名称:	cGAMP sodium salt				
CAS:	849214-04-6	储存条件	粉末	-20℃	四年
分子式:	C20H24N10O13P2. X Na+		溶于液体	-80℃	两年
分子量	674.41			-20℃	一个月
化学名:	3' 3'-Cyclic guanosine monophosphate-adenosine monophosphate				
Solubility (25° C):					
体外:	DMSO	20mg/mL (29.74mM)			
	Ethanol	Insoluble			
	Water	100mg/mL (148.72mM)			
体内 (现配现用):					
<1mg/ml 表示微溶或不溶。					
普西唐提供的所有化合物浓度为内部测试所得，实际溶度可能与公布值有所偏差，属于正常的批间细微差异现象。					
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。					

制备储备液

浓度	溶液体积	质量		
		1mg	5mg	10mg
1mM		1.4872mL	7.4360mL	14.8721mL
5mM		0.2974mL	1.4872mL	2.9744mL
10mM		0.1487mL	0.7436mL	1.4872mL
50mM		0.0297mL	0.1487mL	0.2974mL

生物活性

产品描述	作为细菌第二信使调控原核生物中控制细菌存活、黏附、定植、生物膜形成和毒力因子产生的重要信号机制。
靶点	STING ()
体外研究	cGAMP promotes the antigen-specific proliferation capacity of spleen cells in mice. cGAMP directly activates murine and human dendritic cells in vitro. On stimulation with cGAMP, fibroblasts from the patients showed increased transcription of IFNB1 but not of the genes encoding interleukin-1 (IL1), interleukin-6 (IL6), or tumor necrosis factor (TNF). cGAMP activates the endoplasmic reticulum (ER)-resident receptor STING, thereby inducing an antiviral state and the secretion of type I IFNs
体内研究	cGAMP promotes the antigen-specific cytokine production by spleen cells of immunized mice



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	Animal Model:	Female C57BL/6 (H-2b) mice 6-8 weeks old
	Dosage:	5 μ g
	Administration:	Nostril mucosal adjuvant
	Result:	Higher titers of ovalbumin (OVA)-specific IgA and total IgG as well as IgG1 and IgG2c in the sera of mice immunized with cGAMP-adjuvanted OVA as compared to sera from OVA-immunized mice.