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产品名称: 春雷霉素盐酸盐一水合物

产品别名: **Kasugamycin hydrochloride hydrate; Ksg hydrochloride hydrate**

生物活性:

Description	Kasugamycin hydrochloride hydrate (Ksg hydrochloride hydrate) is an antibiotic which binds both the 30S and 70S ribosome but not isolated 50S subunits. Kasugamycin hydrochloride hydrate (Ksg hydrochloride hydrate) mimics mRNA nucleotides to destabilize tRNA binding and inhibit canonical translation initiation[1][2].			
Solvent&Solubility	<i>In Vitro:</i> DMSO : 14.33 mg/mL (33.03 mM; Need ultrasonic and warming)			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	2.3050 mL	11.5250 mL
		5 mM	0.4610 mL	2.3050 mL
		10 mM	0.2305 mL	1.1525 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]. Schlutzen F, et al. The antibiotic kasugamycin mimics mRNA nucleotides to destabilize tRNA binding and inhibit canonical translation initiation. Nat Struct Mol Biol. 2006 Oct;13(10):871-8. [2]. Schuwirth BS, et al. Structural analysis of kasugamycin inhibition of translation. Nat Struct Mol Biol. 2006 Oct;13(10):879-86.			

源叶生物