

产品名称：匹克硫酸钠
产品别名：Sodium Picosulfate

生物活性：

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Description	Sodium Picosulfate inhibits absorption of water and electrolytes, and increases their secretion. Target: Others Sodium Picosulfate displays cytotoxic effects on cultured liver cells. 800 and 1600 mg/mL induces dose-dependently vacuolic and fatty change as well as necrosis combined with a lowered mitotic activity and a slight increase in LDH values of the rapidly growing cultured liver cells of rabbit. Comparable but less severe effects are observed in 4-day old liver cell cultures of rat, while liver cells cultured for 6 to 11 days tolerate 1600 mg/mL Sodium Picosulfate. In human liver cultures the number of cells is slightly lowered at 800 and 1600 mg/mL and the number of nuclei in division is decreased dependent on dose [1]. Sodium Picosulphate has no major influence on ileal and colonic epithelial cell proliferation. In a 12 weeks study, 10 mg/kg Sodium Picosulphate continuously treatment does not influence the labeling index of Brdu (LI) in the ileum and induces no statistically significant increase of the LI when the treated groups are compared with the control group. The proliferative pattern along the crypts remains unchanged with sodium picosulphate treatment throughout the study [2]. Sodium Picosulphate does not induce chronic changes in colonic motility in rats under long-term treatment. 10mg/kg/day Sodium Picosulphate pretreated for 23 weeks does not induce any significant change in the duration of long spike bursts (LSB) which are associated with phasic contractions, or in LSB frequency in the fasted state or after a 3-gram meal [3].				
Solvent&Solubility	In Vitro:				
	DMSO : DMSO : 14.44 mg/mL (30.00 mM; Need ultrasonic)				
		<div>SolventMassConcentration</div>	1 mg	5 mg	10 mg
	Preparing	1 mM	2.0772 mL	10.3862 mL	20.7723 mL
	Stock Solutions	5 mM	0.4154 mL	2.0772 mL	4.1545 mL
	10 mM	0.2077 mL	1.0386 mL	2.0772 mL	
<p>*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。</p> <p>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。</p>					
References	<p>[1]. Nishikawa, J. and A. Kast, Toxicity study with sodium picosulfate in cultured liver cells of rabbit, rat and man. <i>Arzneimittelforschung</i>, 1981. 31(2): p. 321-5.</p> <p>[2]. Geboes, K., et al., Effects of 'contact laxatives' on intestinal and colonic epithelial cell proliferation. <i>Pharmacology</i>, 1993. 47 Suppl 1: p. 187-95.</p> <p>[3]. Fioramonti, J., C. Dupuy, and L. Bueno, In vivo motility of rat colon chronically pretreated with sennosides. <i>Pharmacology</i>, 1993. 47 Suppl 1: p. 155-61.</p>				