



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: 磺酸钠

产品别名: Sodium gualenate; Guaiazulenesulfonate sodium; 呱仑酸钠

生物活性:				
Description	Sodium gualenate (Guaiazulenesulfonate sodium) is a hydrophilic derivative of guaiazulene with excellent anti-inflammatory and wound-healing effects mainly used for the treatment of duodenal ulcer, gastric ulcer and gastritis.			
In Vitro	Sodium gualenate is an unstable compound, which is gradually decomposed in the solid state at room temperature. When heated, Sodium gualenate decomposes almost completely within 1 week. It was found that a kneaded mixture of Sodium gualenate and cornstarch (weight ratio; 1:250) for tableting with water is stable. So, during production, Sodium gualenate could be stabilized using water[1]. Sodium gualenate slightly inhibits the histamine release from rat peritoneal mast cells and strongly inhibits the leukocyte emigration induced by fMLP[2].			
In Vivo	Sodium gualenate has been frequently used for the treatment of human gastritis. Cytoprotection is defined as the main mechanism of Sodium gualenate to protect the mucosa of the stomach and the antipeptic actions in vivo have also been shown[2].			
Solvent&Solubility	In Vitro: DMSO : 30 mg/mL (99.88 mM; Need ultrasonic and warming)			
		Solvent / Mass / Concentration	1 mg	5 mg
	Preparing	1 mM	3.3294 mL	16.6472 mL
	Stock Solutions	5 mM	0.6659 mL	3.3294 mL
		10 mM	0.3329 mL	1.6647 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]. Nakamichi K, et al. Stabilization of sodium guaiazulene sulfonate in granules for tableting prepared using a twin-screw extruder. Eur J Pharm Biopharm. 2003 Nov;56(3):347-54. [2]. Cao T, et al. Synthesis and Biological Evaluation of 3, 8-dimethyl-5-isopropylazulene Derivatives as Anti-gastric Ulcer Agent. Chem Biol Drug Des. 2016 Aug;88(2):264-71.			