



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: 芒柄花黄素-3'-磺酸钠

产品别名: **Sodium formononetin-3'-sulfonate; Sul-F**

生物活性:				
Description	Sodium formononetin-3'-sulfonate (Sul-F) is a water-sol. derivate of formononetin. IC50 value: Target: Research results showed that treatment with Sul-F significantly prevented the elevation of ST-segment level, decreased the contents of creatine kinase-MB, lactate dehydrogenase, alanine aminotransferase and cardiac troponin T in serum and reduced the myocardium necrosis scores. These findings indicate that Sul-F has a protective potential against myocardial infarction injury. A possible mechanism for the protective effect is the elevated expression of endogenous antioxidant defense enzymes degraded lipid peroxidn. products and improved energy metab. of cardiac mitochondrial, thus attenuating cardiocyte apoptosis. Other reaearch results showed that sodium formononetin-3'-sulfonate not only had favorable water, solubility but also had good lipid-lowering and liver-protection activities.			
Solvent&Solubility	In Vitro: H ₂ O : 25 mg/mL (67.51 mM; Need ultrasonic)			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.7004 mL	13.5022 mL
		5 mM	0.5401 mL	2.7004 mL
		10 mM	0.2700 mL	1.3502 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]. Zhang, Shumin; Tang, Xuexi; Tian, Jingwei et al. Cardioprotective effect of sulphonated formononetin on acute myocardial infarction in rats. Basic & Clinical Pharmacology & Toxicology (2011), 108(6), 390-395. [2]. Wang, Qiuya; Meng, Qinghua; Zhang, Zunting et al. Synthesis, solubility, lipids-lowering and liver-protection activities of sulfonated formononetin. Yaoxue Xuebao (2009), 44(4), 386-389. [3]. Cardioprotective Effect of Sulfonated Formononetin on Acute Myocardial Infarction in Rats.			