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产品名称: **SMND-309**

产品别名: **SMND-309**

生物活性:					
Description	SMND-309 is a metabolite of salvianolic acid B, and exhibits neuroprotective effects in cultured neurons and in permanent middle cerebral artery occlusion rats[1][2].				
In Vivo	SMND-309 (2.5-10 mg/kg; oral intragastric; once a day; for 4 weeks; male Sprague-Dawley rats) treatment ameliorates liver function and decreases the elevation of serum hyaluronic acid, laminin, procollagen type III levels and hydroxyproline content in liver tissue. SMND-309 also decreases the elevation in the malondialdehyde level and restored the decrease in superoxide dismutase and glutathione peroxidase activities. SMND-309 treatment reduces the liver damage and the liver fibrosis grade. SMND-309 treatment powerfully down-regulated the expression of connective tissue growth factor (CTGF) in serum and liver[1].				
	Animal Model:	Male Sprague-Dawley rats (180-200 g) with carbon tetrachloride[1]			
	Dosage:	2.5 mg/kg, 5 mg/kg and 10 mg/kg			
	Administration:	Oral intragastric; once a day; for 4 weeks			
	Result:	The antifibrotic mechanisms might be associated with its ability to suppress the expression of CTGF as well as scavenge lipid peroxidation products and increase endogenous			
Solvent&Solubility	In Vitro: DMSO : ≥ 3.7 mg/mL (10.33 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.7910 mL	13.9548 mL	27.9096 mL
		5 mM	0.5582 mL	2.7910 mL	5.5819 mL
		10 mM	0.2791 mL	1.3955 mL	2.7910 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]. Hou J, Tian J, Jiang W, Gao Y, Fu F. Therapeutic effects of SMND-309, a new metabolite of salvianolic acid B, on experimental liver fibrosis. Eur J Pharmacol. 2011 Jan 10;650(1):390-5. [2]. Yang J, Zhang G, Tian J, Li C, Jiang W, Xing Y, Zhu H, Hou J, Xu H, Wu J. Cardioprotective effect of SMND-309, a novel derivate of salvianolic acid B on acute myocardial infarction in rats. Basic Clin Pharmacol Toxicol. 2010 Apr;106(4):317-23.			