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# 人参皂苷Rb1 (98%, HPLC)

产品编号	产品名称	包装
SM6032-10mM	人参皂苷 Rb1 (98%, HPLC)	10mM×0.2ml
SM6032-25mg	人参皂苷 Rb1 (98%, HPLC)	25mg
SM6032-100mg	人参皂苷 Rb1 (98%, HPLC)	100mg

# 产品简介:

# ▶ 化学信息:

中文名	人参皂苷Rb1		
英文名	Ginsenoside Rb1		
中文别名	-		
英文别名	Sanchinoside E1; Gypenoside III; Gynosaponin C		
来源	人参 <i>Panax ginseng</i> C. A. Meyer		
化合物类型	萜类(Terpenoids)>三萜>达玛烷型四环三萜皂苷		
化学式	C <sub>54</sub> H <sub>92</sub> O <sub>23</sub>		
分子量	1109.29		
CAS号	41753-43-9		
纯度	98%, HPLC		
溶剂/溶解度	DMSO: 100 mg/ml (90.15 mM)		
溶液配制	15mg加入1.35ml DMSO,或者每11.09mg加入1ml DMSO,配制成10mM溶液。		

# 生物信息

). ₩ III.) B	Ginsenoside Rb1, a main constituent of the root of Panax ginseng, inhibits Na+, K+-ATPase activity						
产品描述	with an IC50 of $6.3\pm1.0~\mu M$ . Ginsenoside also inhibits IRAK-1 activation and phosphorylation of NF- $\kappa$ B p65.						
信号通路	Autophagy; HSV-1						
靶点	Na <sup>+</sup> , K <sup>+</sup> -ATPase	IRAK-1	NF-κB p65	-	-		
IC50	6.3±1.0 μM	-	-	-	-		
体外研究	Rat brain microso Rb1. The IC50 of C with increasing the analysis reveals the Rb1 significantly in β, NF-κB, and MA receptor-4, IRAK-ingredient of a Ch in the regulating with potent anti-Ginsenoside Rb1 anti-inflammatory reduces TNF-α-in levels of PXR and levels and increasignificantly abroad	Ginsenoside Rb1 for the concentration of the concentration and I will be concentrated as a concentration of the co		decreasing that of N ibitor with respect to the peter associated king, interaction between unaffected. Ginsolated Rb1 is a major haling. Ginsenoside Rb1 in extract (GSE). The eliminary study to exicity. Ginsenoside mRNA levels, and a significant reduct total NF-κB p65,	nibition is enhanced Na+ and K+. Kinetic Na+ and K+. Kinetic No ATP. Ginsenoside ase-1 (IRAK-1), IKKen LPS and Toll-like enoside Rb1 is an pioactive compound of is the compound of econcentration for ensure sufficient e Rb1 significantly restores the mRNA cion in PXR protein both of which are		
体内研究	Ginsenoside Rb1 at the both doses of 30mg/kg and 60mg/kg significantly attenuates the histological lung injury. Ginsenoside Rb1 at the dose of 30mg/kg and 60mg/kg both significantly attenuates the histological intestine injury. Ginsenoside Rb1 (Rb1), an ingredient of a Chinese medicine Panax ginseng, has beneficial effects on mesentery microvascular hyperpermeability induced by						

microvascular hyperpermeability after the onset of endotoxemia and improves intestinal edema through inhibiting caveolae formation and junction disruption, which is correlated to suppression of NF-κB and Src activation.	
Lipopolysaccharide (LPS) and the underlying mechanisms. In some rats, Ginsenoside Rb1 (5 per hour) is administrated through the left jugular vein 30 min after LPS infusion. Ginsenoside decreases caveolae number in endothelial cells of microvessels. Ginsenoside Rb1 amelia	

## 参考文献:

- 1. Cao J, et al. Zhongguo Yao Li Xue Bao. 1990,11(1):10-4.
- 2. Zhang J, et al. Drug Metab Dispos. 2015,43(8):1181-9.
- 3. Joh EH, et al. Biochem Pharmacol. 2011,82(3):278-86.
- 4. Jiang Y, et al. Oxid Med Cell Longev. 2015:843721.
- 5. Zhang Y, et al. Am J Physiol Gastrointest Liver Physiol. 2014,306(4):G289-300.

### 包装清单:

产品编号	产品名称	包装
SM6032-10mM	人参皂苷 Rb1 (98%, HPLC)	$10\text{mM} \times 0.2\text{ml}$
SM6032-25mg	人参皂苷 Rb1 (98%, HPLC)	25mg
SM6032-100mg	人参皂苷 Rb1 (98%, HPLC)	100mg
-	说明书	1 份

#### 保存条件:

-20℃保存,至少一年有效。固体粉末4℃保存,至少一个月有效。如果溶于非DMSO溶剂,建议分装后-80℃保存,预计6个月内 有效。

#### 注意事项:

- ▶ 本产品可能对人体有一定的毒害作用,请注意适当防护,以避免直接接触人体或吸入体内。
- 本产品仅限于专业人员的科学研究用、不得用于临床诊断或治疗、不得用于食品或药品、不得存放于普通住宅内。
- > 为了您的安全和健康,请穿实验服并戴一次性手套操作。

#### 使用说明:

- 1. 收到产品后请立即按照说明书推荐的条件保存。使用前可以在2,000-10,000g离心数秒,以使液体或粉末充分沉降至管底后再开盖
- 2. 对于10mM溶液,可直接稀释使用。对于固体,请根据本产品的溶解性及实验目的选择相应溶剂配制成高浓度的储备液(母液)后使 用。
- 3. 具体的最佳工作浓度请参考本说明书中的体外、体内研究结果或其它相关文献,或者根据实验目的,以及所培养的特定细胞和组 织,通过实验进行摸索和优化。
- 4. 不同实验动物依据体表面积的等效剂量转换表请参考如下网页: https://www.beyotime.com/support/animal-dose.htm

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