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土贝母苷甲(98%, HPLC)

产品编号	产品名称	包装
SM6120-10mM	土贝母苷甲(98%, HPLC)	$10\text{mM} \times 0.2\text{ml}$
SM6120-25mg	土贝母苷甲(98%, HPLC)	25mg
SM6120-100mg	土贝母苷甲(98%, HPLC)	100mg

产品简介:

▶ 化学信息:

中文名	土贝母苷甲			
英文名	Tubeimoside I			
中文别名	土贝母皂甙甲			
英文别名	Tubeimoside-1; Lobatoside-H			
来源	土贝母 <i>Bolbostemma paniculatum</i> (Maxim.) Franquet			
化合物类型	萜类(Terpenoids)>三萜>齐墩果烷型五环三萜皂苷			
化学式	C ₆₃ H ₉₈ O ₂₉			
分子量	1319.44			
CAS号	102040-03-9			
纯度	98%, HPLC			
溶剂/溶解度	DMSO : ≥ 100 mg/ml (75.79 mM)			
溶液配制	15mg加入1.14ml DMSO,或者每13.19mg加入1ml DMSO,配制成10mM溶液。			

> 生物信息

17/II/B	Tubeimoside I(Lo	obatoside-H) is an	extract from Chi	nese herbal medi	cine Bolbostemma		
产品描述	Tubeimoside I(Lobatoside-H) is an extract from Chinese herbal medicine Bolbostemma paniculatum (MAXIM.) FRANQUET (Cucurbitaceae) has been shown as a potent anti-tumor agent						
,	for a variety of human cancers.						
信号通路	Apoptosis						
靶点	Bcl-2 Bax Capase-3 TNF-α IL-6/1β						
IC ₅₀	-	-	-	-	-		
体外研究	manner, but HepC and 72 h, IC50 for p<0.01), respective cycle arrest at the the mitochondria anti-apoptotic to pmitochondrial mitochondria-induarrest. TBMS1 cor increased cytosol up-regulated. Mor resistance of the ctime-dependent increased the lev glucose-regulated homologous prote	The Popular of the P	both HepG2 and L-Ore sensitive to the age L-02 cells were 15.5 cell shrinkage, nuclear ondrial membrane dispase 3 and 9, and dicative of initiation MS1-induced molecosis and P21-cyclin Expression and protein expression control of the protein expression and protein expression a	ent. When exposed to vs. 23.1, 11.7 vs. 16 ar condensation and isruption, release of shifting Bax/Bcl-2 and progression of cular events w B1/cdc2 complex-relation was down-regulation were decreased, ment with TBMS1 rein phase G2/M of TBMS1 up-regulated in binding protein (d down-regulated the second content with the content wit	to TBMS I for 24, 48 .2, 9.2 vs. 13.1 (µM, fragmentation, cell cytochrome c from ratio from being apoptosis involving ere related to ted G2/M cell cycle eration activity and ated but Bax was TBMS1 reduced the esulted in dose- and the cell cycle and d the levels of the (GRP78/Bip), C/EBP e levels of Bcl-2.		
体内研究	TBMS1 significantly inhibited the production of the pro-inflammatory cytokines, TNF- α , IL-6 and IL-1 β in vitro and in vivo. Pretreatment with TBMS1 markedly attenuated the development of pulmonary edema, histological severities and inflammatory cells infiltration in mice with ALI.						

临床实验 N/A

参考文献:

- 1. Wang Y, et al. Biol Pharm Bull. 2011,34(6):831-8.
- 2. Xu Y, et al. Chin J Cancer Res. 2013,25(3):312-21.
- 3. Wu Q, et al. Immunopharmacol Immunotoxicol. 2013,35(4):514-23.
- 4. Liu HZ, et al. Mol Med Rep. 2011,4(5):985-92.
- 5. Chen WJ, et al. Int J Oncol. 2012,40(2):535-43.

包装清单:

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SM6120-10mM	土贝母苷甲(98%, HPLC)	$10\text{mM} \times 0.2\text{ml}$
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SM6120-100mg	土贝母苷甲(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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