

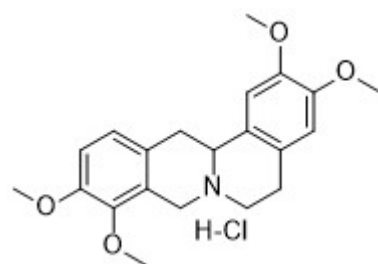
## 延胡索乙素盐酸盐(98%, HPLC)

产品编号	产品名称	包装
SM4152-10mM	延胡索乙素盐酸盐(98%, HPLC)	10mM×0.2ml
SM4152-25mg	延胡索乙素盐酸盐(98%, HPLC)	25mg
SM4152-100mg	延胡索乙素盐酸盐(98%, HPLC)	100mg

### 产品简介:

#### ➤ 化学信息:

中文名	延胡索乙素盐酸盐
英文名	Tetrahydropalmatine hydrochloride
中文别名	-
英文别名	DL-Tetrahydropalmatine hydrochloride
来源	延胡索 <i>Corydalis yanhusuo</i> (Y. H. Chou & Chun C. Hsu) W. T. Wang ex Z. Y. Su & C. Y. Wu
化合物类型	生物碱(Alkaloids)>异喹啉生物碱>原小檗碱型生物碱
化学式	C <sub>21</sub> H <sub>26</sub> ClNO <sub>4</sub>
分子量	391.89
CAS号	6024-85-7
纯度	98%, HPLC
溶剂/溶解度	DMSO: 3.92mg/mL (10 mM)
溶液配制	5mg加入1.28ml DMSO, 或者每3.92mg加入1ml DMSO, 配制成10mM溶液。



#### ➤ 生物信息

产品描述	Tetrahydropalmatine hydrochloride (DL-Tetrahydropalmatine hydrochloride), an active component isolated from corydalis, possesses analgesic effects. Tetrahydropalmatine hydrochloride acts through inhibition of amygdaloid release of dopamine to inhibit an epileptic attack in rats.				
信号通路	-				
靶点	Dopamine	-	-	-	-
IC <sub>50</sub>	-	-	-	-	-
体外研究	N/A				
体内研究	Tetrahydropalmatine (THP), an active component isolated from corydalis (a Chinese herbal medicine), possesses analgesic effects. Picrotoxin treatment alone has a significant effect on the following activity measure: there is an increase in horizontal motion time (HMT), vertical motion time (VMT), clockwise turnings (CT), anticlockwise turning (ACT) and a decrease in freezing time (FT). Tetrahydropalmatine treatment alone causes a decrease in HMT, VMT and total distance traveled (TDT), but an increase in FT. Pretreatment of rats with an i.p. dose of 10 mg/kg or 15 mg/kg of Tetrahydropalmatine significantly attenuates the Picrotoxin-induced enhancement in HMT, VMT, CT, ACT and TDT, as well as reduction in FT. Another 48 rats under urethane anesthesia are randomly divided into six groups, each of eight rats. The s.c. injection of Picrotoxin causes an increase in amygdaloid release of dopamine (DA), while i.p. injection of Tetrahydropalmatine at 10 mg/kg has an insignificant effect on amygdaloid release of DA. Again, the Picrotoxin-induced increase in amygdaloid release of DA is significantly attenuated by pretreatment with Tetrahydropalmatine. The Picrotoxin-induced augmented amygdaloid release of DA is almost completely abolished by pretreatment with Tetrahydropalmatine 30 min before s.c. injection of Picrotoxin.				
临床实验	N/A				

### 参考文献:

1. Chang CK, et al. Neurosci Lett. 2001,307(3):163-6.

#### 包装清单:

产品编号	产品名称	包装
SM4152-10mM	延胡索乙素盐酸盐(98%, HPLC)	10mM×0.2ml
SM4152-25mg	延胡索乙素盐酸盐(98%, HPLC)	25mg
SM4152-100mg	延胡索乙素盐酸盐(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使用。
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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