



碧云天生物技术/Beyotime Biotechnology  
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## Trichostatin A (HDAC抑制剂)

产品编号	产品名称	包装
S1893-100 $\mu$ g	Trichostatin A (HDAC抑制剂)	2mg/ml $\times$ 0.05ml
S1893-500 $\mu$ g	Trichostatin A (HDAC抑制剂)	2mg/ml $\times$ 0.25ml

### 产品简介:

- Trichostatin A简称TSA, 是一种常用的HDAC (histone deacetylase)抑制剂。Trichostatin A可以通透细胞, 选择性抑制HDACs, 但不抑制NAD依赖的SIRT系列的deacetylases。Trichostatin A抑制HDAC后可以导致histone乙酰化水平升高, 一些基因的转录水平提高; 也可以升高其它一些蛋白的乙酰化水平改变其活力或稳定性。Trichostatin A处理细胞后可以导致细胞周期抑制, 目前被看作是一种潜在的抗癌药物。
- Trichostatin A分子量为302.37, 分子式为C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>, CAS Number: 58880-19-6。本产品纯度大于98%。
- 本Trichostatin A为进口分装, 2mg/ml包装用DMSO配制, 有0.05ml和0.25ml两种包装。

### 包装清单:

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—	说明书	1份

### 保存条件:

-20°C避光保存, 一年有效。

### 注意事项:

- 本产品对人体有害, 操作时请小心, 并注意有效防护以避免直接接触人体或吸入体内。
- 本Trichostatin A在4°C、冰浴等较低温度情况下会凝固而粘在离心管管底、管壁或管盖内, 可以20-25°C水浴温育片刻至全部融解后使用。
- 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. Trichostatin A常见使用浓度范围为10nM-1 $\mu$ M。具体的最佳工作浓度请参考相关文献, 或根据实验目的, 以及所培养的特定细胞和组织, 通过实验进行摸索和优化。

### 使用本产品的文献:

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8. Gan L, Li C, Wang J, Guo X. Curcumin modulates the effect of histone modification on the expression of chemokines by type II alveolar epithelial cells in a rat COPD model. *Int J Chron Obstruct Pulmon Dis.* 2016 Nov 7;11:2765-2773.
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