



碧云天生物技术/Beyotime Biotechnology
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Okadaic acid钾盐(PP1和PP2A抑制剂)

产品编号	产品名称	包装
S1786-10 μ g	Okadaic acid钾盐(PP1和PP2A抑制剂)	0.5mg/ml \times 0.02ml
S1786-50 μ g	Okadaic acid钾盐(PP1和PP2A抑制剂)	0.5mg/ml \times 0.1ml
S1786-250 μ g	Okadaic acid钾盐(PP1和PP2A抑制剂)	0.5mg/ml \times 0.5ml
S1786-1mg	Okadaic acid钾盐(PP1和PP2A抑制剂)	0.5mg/ml \times 2ml

产品简介:

- Okadaic acid钾盐即Okadaic acid potassium salt, 简称OA, 是一种常用的PP1 (protein phosphatases 1)和PP2A (phosphatases 2A)抑制剂。Okadaic acid钾盐可以通透细胞, 选择性抑制PP1和PP2A, 对于PP1的ID50为20nM, 对于PP2A的ID50为0.2nM, 不抑制tyrosine phosphatases, alkaline phosphatases和acid phosphatase。
- Okadaic acid钾盐分子量为843.09, 分子式为C₄₄H₆₇KO₁₃, CAS Number: 155751-72-7。本产品纯度大于98%。
- 本Okadaic acid钾盐为进口分装, 用DMSO配制, 浓度为0.5mg/ml。

包装清单:

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—	说明书	1份

保存条件:

-20 $^{\circ}$ C避光保存, 半年有效。

注意事项:

- 本产品对人体有毒, 操作时请特别小心, 并注意有效防护以避免直接接触人体或吸入体内。
- 本Okadaic acid钾盐在4 $^{\circ}$ 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 $^{\circ}$ 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. Okadaic acid钾盐常见使用浓度范围为5nM-5 μ M。具体的最佳工作浓度请参考相关文献, 或根据实验目的, 以及所培养的具体细胞和组织, 通过实验进行摸索和优化。

使用本产品的文献:

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3. Zhu YZ, Xu QQ, Wu DG, Ren H, Zhao P, Lao WG, Wang Y, Tao QY, Qian XJ, Wei YH, Cao MM, Qi ZT. Japanese encephalitis virus enters rat neuroblastoma cells via a pH-dependent, dynamin and caveola-mediated endocytosis pathway. *J Virol.* 2012 Dec;86(24):13407-22.
4. Li JY, Huang JY, Li M, Zhang H, Xing B, Chen G, Wei D, Gu PY, Hu WX. Anisomycin induces glioma cell death via down-regulation of PP2A catalytic subunit in vitro. *Acta Pharmacol Sin.* 2012 Jul;33(7):935-40.
5. Yao W, Zou HJ, Sun D, Ren SQ. α B induces acute depression of excitatory glutamatergic synaptic transmission through distinct phosphatase-dependent mechanisms in rat CA1 pyramidal neurons. *Brain Res.* 2013 Jun 17;1515:88-97.
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7. Zhu G, Fan Z, Ding M, Zhang H, Mu L, Ding Y, Zhang Y, Jia B, Chen L, Chang Z, Wu W. An EGFR/PI3K/AKT axis promotes accumulation of the Rac1-GEF Tiam1 that is critical in EGFR-driven tumorigenesis. *Oncogene.* 2015 Dec 3;34(49):5971-82.
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