



碧云天生物技术/Beyotime Biotechnology
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Rapamycin (FRAP/mTOR抑制剂)

产品编号	产品名称	包装
S1842-1mg	Rapamycin (FRAP/mTOR抑制剂)	2mg/ml×0.5ml
S1842-5mg	Rapamycin (FRAP/mTOR抑制剂)	5mg
S1842-25mg	Rapamycin (FRAP/mTOR抑制剂)	25mg
S1842-100mg	Rapamycin (FRAP/mTOR抑制剂)	100mg
S1842-500mg	Rapamycin (FRAP/mTOR抑制剂)	500mg

产品简介:

- Rapamycin也称AY 22989或sirolimus, 可与FKBP12形成复合物, 随后结合并抑制FRAP/mTOR。mTOR是哺乳动物中rapamycin的作用靶点, 也被称为FRAP或FAFT, 是一个Ser/Thr蛋白激酶, 可以激活p70 S6 kinase。Rapamycin对于p70 S6 kinase的抑制作用的IC₅₀为0.05nM。Rapamycin通过抑制FRAP/mTOR可以抑制p70 S6 kinase的磷酸化和激活, 抑制4E-BP1/PHAS1的磷酸化并促进其对eIF4E的结合和抑制。
- Rapamycin分子量为914.17, 分子式为C₅₁H₇₉NO₁₃, CAS Number: 53123-88-9。本产品纯度大于98%。
- 本Rapamycin为进口分装, 其中2mg/ml包装产品用DMSO配制, 共0.5ml。5mg, 25mg, 100mg和500mg包装为粉末装。

包装清单:

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S1842-500mg	Rapamycin (FRAP/mTOR抑制剂)	500mg
—	说明书	1份

保存条件:

-20°C避光保存, 半年有效。

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Rapamycin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. Rapamycin常见使用浓度范围为10-100nM。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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