

产品说明书

26 版

基本信息

产品编号:	C60029
产品名称:	细胞松弛素 H

产品简介:

Cytochalasin H is a metabolite of *Phomopsis paspali* found on *Paspalum scrobiculatum* Linn. (a millet consumed in India). Cytochalasins H has shown central nervous system activity.

体外研究:

Cytochalasin H (24-72 h) 抑制 A549 细胞的增殖, IC₅₀ 值为 159.5 μ M。

Cytochalasin H (0-50 μ M; 48 h) 在 A549 细胞中诱导细胞凋亡, 使细胞周期停滞在 G2/M 期, 并影响细胞凋亡相关蛋白的表达。

Cytochalasin H (1-512 μ g/mL) 对 MDR 肠道致病菌、革兰氏阳性菌和金黄色葡萄球菌具有抗菌活性。

体内研究:

Cytochalasin H (2.5 mg/kg; i.p.) 可以延迟 Balb/c^{nu/nu} 小鼠中 A549 异种移植肿瘤的生长。

使用方法 (供参考):

一、细胞实验	
Apoptosis Analysis	
Cell Line:	A549 cells
Concentration:	0, 6.25, 12.5, 25 and 50 μ M
Incubation Time:	48 h
Result:	Induced apoptosis in a dose-dependent manner in the A549 cells.
Cell Cycle Analysis	
Cell Line:	A549 cells
Concentration:	0, 6.25, 12.5, 25 and 50 μ M
Incubation Time:	48 h
Result:	Arrested cell cycle at the G2/M phase and sub-G1 peaks.
Western Blot Analysis	
Cell Line:	A549 cells
Concentration:	0, 6.25, 12.5, 25 and 50 μ M
Incubation Time:	48 h
Result:	Increased the protein expression levels of Bax, P53 and cleaved caspase-3 and decreased the protein expression levels of Bcl-xL, Bcl-2 and full-length caspase-3.
二、动物实验	
Animal Model:	male Balb/c ^{nu/nu} mice with A549 xenograft
Dosage:	2.5 mg/kg
Administration:	intraperitoneal injection; 3 injections/week, for 80 days
Result:	Attenuated tumor growth in vivo.





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注意事项:

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| 1、为了您的安全和健康，请穿实验服并戴一次性手套操作。 |
| 2、以上信息仅做参考交流之用。 |

储存: -20℃

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