
Calyculin A(0.5mM in DMSO)

产品编号: D10071

CAS: 101932-71-2

保存条件: Store at -20°C. Protect from light for 24 months.

产品介绍: * 本产品为: Calyculin A, 10 μ g (0.5 mM * 20 μ L in DMSO);

CAS: 101932-71-2

分子式: C₅₀H₈₁N₄O₁₅P

分子量: 1009.17

纯度: $\geq$ 90% (HPLC), solid

外观/性状: 白色固体

溶解性: 溶于DMSO, 乙醇

敏感性: 易吸潮

用途: calyculin A是一种高效的细胞渗透性蛋白磷酸酶1 (pp1) 和蛋白磷酸酶2a (pp2a) 抑制剂, IC₅₀s为2-0.5-1 nM。

简介: 来自盘层花萼的calyculin A与冈酸受体结合, 在平滑肌中激活钙通道。calyculin A调节蛋白质磷酸化, 从而调节精子的能力, 增强活化B细胞 (NF- κ B) 的核因子 κ -轻链增强子的磷酸化和凋亡。

Application:

Calyculin A from Discodermia calyx has been used:

- as an inhibitor of serine-threonine protein phosphatase 2A
- as an inhibitor of cyclin D1 phosphatase in human breast cancer cells
- as an inhibitor of protein phosphatase 2A (PP2A) and PP1 in mouse melanoma cell lines

B16-F0 cells