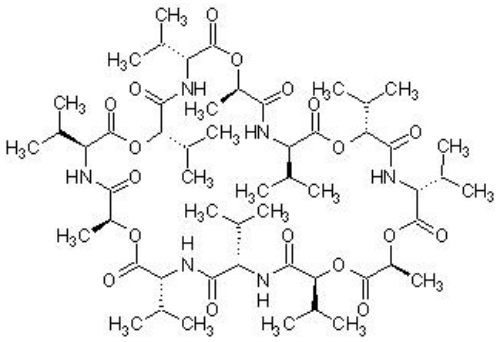
abcam

Product datasheet

Valinomycin from Streptomyces fulvissimus, K+ selective ionophore ab120852

2 图像

概述

产品名称	Valinomycin from Streptomyces fulvissimus, K+ selective ionophore
描述	K^+ selective ionophore
生物学描述	K^+ selective ionophore. Natural dodecadepsipeptide. Antitumor, antifungal and antibacterial effects. Apoptosis due to caspase independent mechanisms.
CAS编号	2001-95-8
化学结构	

性能

化学名称	Cyclo(D-α-hydroxyisovaleryl-D-valyl-L-lactoyl-L-valyl-D-α-hydroxyisovaleryl-D-valyl-L-lactoyl-L-valyl-D-α-hydroxyisovaleryl-D-valyl-L-lactoyl-L-valyl)
分子量	1111.33
分子式	$C_{54}H_{90}N_6O_{18}$
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 25 mM and in ethanol to 25 mM
处理	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

来源 *Streptomyces fulvissimus*

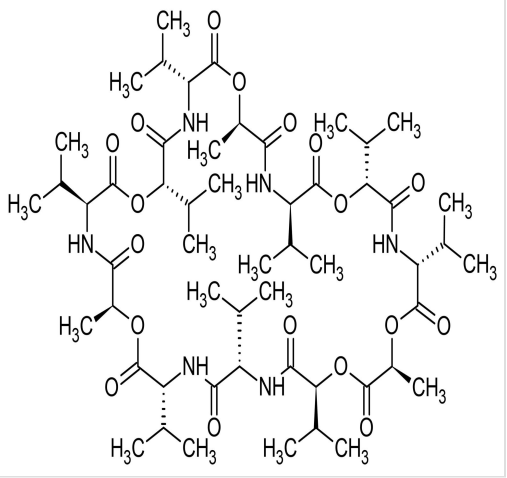
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab120852于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

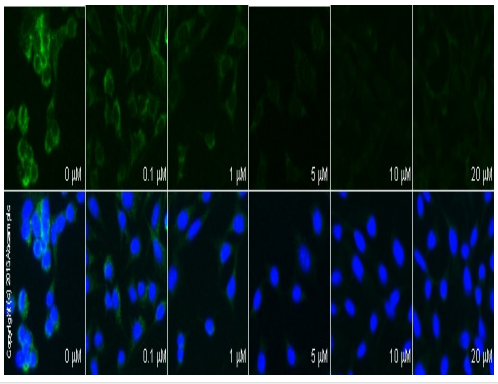
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - Valinomycin from Streptomyces fulvissimus, K^+ selective ionophore (ab120852)

2D chemical structure image of ab120852, Valinomycin from Streptomyces fulvissimus, K+selective ionophore



Immunocytochemistry/ Immunofluorescence - Valinomycin from Streptomyces fulvissimus, K+ selective ionophore (ab120852)

ab56889 staining mitodusin2 in MEF1 cells treated with valinomycin from Streptomyces fulvissimus (ab120852), by ICC/IF. Decrease in mitofusin2 expression with increased concentration of withaferin valinomycin from Streptomyces fulvissimus, as described in literature.

The cells were incubated at 37°C for 3h in media containing different concentrations of ab120852 (valinomycin from Streptomyces fulvissimus) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab56889** (10 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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