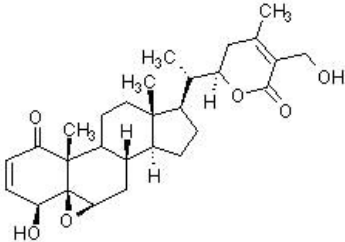


Withaferin A from Withania somnifera ab120644

2 References **2 图像**

概述

产品名称	Withaferin A from Withania somnifera
描述	Naturally occurring withanolide/steroidal lactone with anticancer properties
生物学描述	Naturally occurring withanolide/steroidal lactone with anticancer properties. Demonstrates a number of cellular effects including the covalent binding to annexin II, inhibition of chymotrypsin-like activity, PKC and caspase 3. Causes translocation of cytochrome C to the nucleus and the cleavage of PLC-γ1. Down-regulates Notch 1, 3, cdc25C, phosphorylated Akt and bcl-2 proteins.
纯度	> 98%
CAS编号	5119-48-2
化学结构	

性能

化学名称	(4β,5β,6β,22R)-5,6-Epoxy-4,22,27-trihydroxy-1-oxoergosta-2,24-dien-26-oic acid δ-lactone
分子量	470.60
分子式	C ₂₈ H ₃₈ O ₆
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 ethanol
处理	<p>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 month. 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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

应用

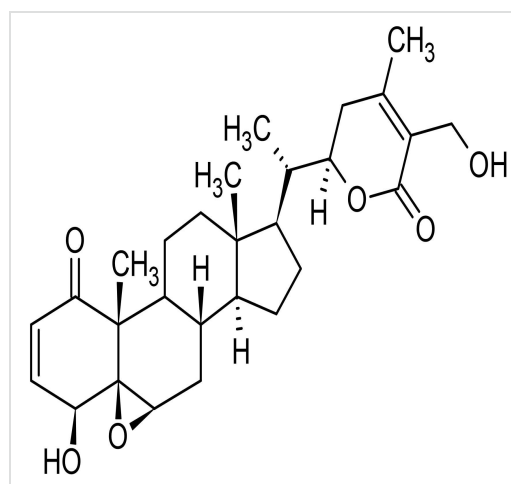
The Abpromise guarantee

Abpromise™ 承诺保证使用ab120644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。

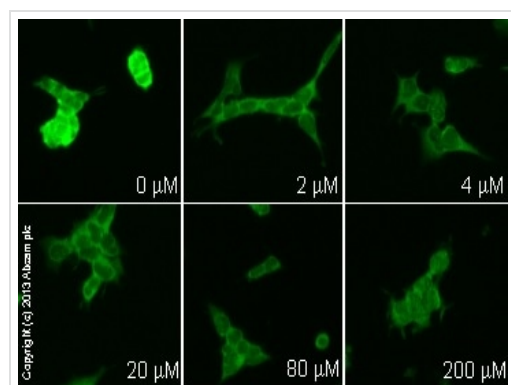
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - Withaferin A from Withania somnifera (ab120644)

2D chemical structure image of ab120644, Withaferin A from Withania somnifera



Functional Studies - Withaferin A from Withania somnifera (ab120644)

ab7973 staining Bcl2 in HEK 293 cells treated with withaferin A from Withania somnifera (ab120644), by ICC/IF. Decrease in Bcl2 expression with increased concentration of withaferin A from Withania somnifera, as described in literature.

The cells were incubated at 37°C for 3h in media containing different concentrations of ab120644 (withaferin A from Withania somnifera) 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 **ab7973** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody.

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