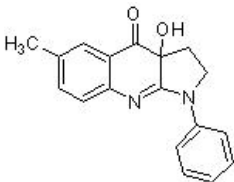


(±)-Blebbistatin, inhibitor of myosin II ab120425

34 References [2 图像](#)

概述

产品名称	(±)-Blebbistatin, 抑制剂 of myosin II
描述	Potent, selective, 抑制剂 of myosin II
生物学描述	Cell-permeable, reversible inhibitor of non-muscle myosin II. Shows high affinity and selectivity for vertebrate and invertebrate Myosin II (IC ₅₀ values 0.5-5 μM). Inhibits actin-activated MgATPase activity and <i>in vitro</i> motility of class II myosins. Also inhibits contraction of the cytokinetic ring. Blocks cell blebbing and disrupts directed cell migration and cytokinesis.
CAS编号	674289-55-5
化学结构	

性能

化学名称	(±)-1,2,3,3a-Tetrahydro-3a-hydroxy-6-methyl-1-phenyl-4 <i>H</i> -pyrrolo[2,3- <i>b</i>]quinolin-4-one
分子量	292.34
分子式	C ₁₈ H ₁₆ N ₂ O ₂
PubChem识别号	3476986
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 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 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. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>Cc2ccc3N=C1N(CCC1(O)C(=O)c3c2)c4ccccc4</chem>

来源

Synthetic

应用

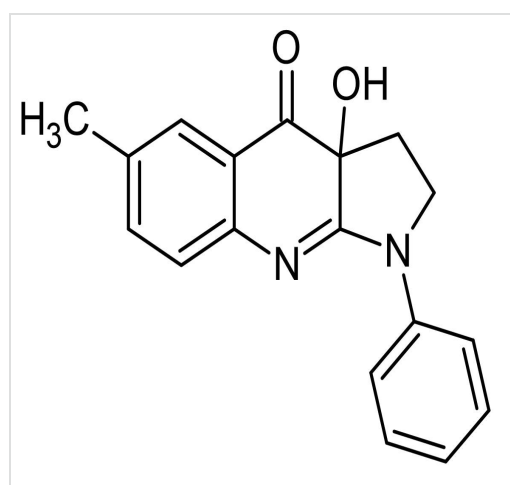
The Abpromise guarantee

Abpromise™承诺保证使用ab120425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。

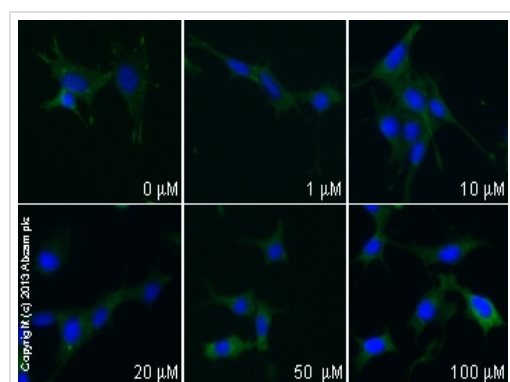
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120425, Blebbistatin, inhibitor of myosin II

Chemical Structure - (±)-Blebbistatin, inhibitor of myosin II (ab120425)



Functional Studies - (±)-Blebbistatin, inhibitor of myosin II (ab120425)

ab32084 staining paxillin in MEF1 cells treated with (+/-)-blebbistatin (ab120425), by ICC/IF. Decreased membrane expression of paxillin correlates with increased concentration of (+/-)-blebbistatin, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of ab120425 ((+/-)-blebbistatin) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab32084** (1/100 dilution) 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. Nuclei were counterstained with DAPI and are shown in blue.

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