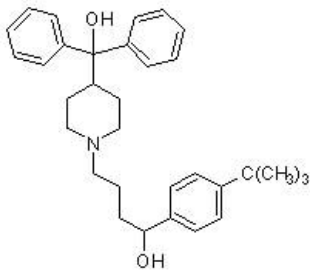
abcam

Product datasheet

Terfenadine, K+ channel blocker. H1 antagonist. ab120270

2 图像

概述

产品名称	Terfenadine, K+ channel blocker. H1拮抗剂.
描述	K^+ channel blocker. H_1拮抗剂.
生物学描述	K^+ channel blocker (Kv11.1). Blocks ATP-sensitive K^+ channels (IC_{50} = 1.2 µM). H_1 receptor antagonist.
纯度	> 98%
CAS编号	50679-08-8
化学结构	

性能

化学名称	1-(4-*tert*-Butylphenyl)-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butan-1-ol
分子量	471.67
分子式	$C_{32}H_{41}NO_2$
PubChem识别号	5405
存放说明	Store at +4°C. 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. 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.

SMILES	CC(C)(C)c1ccc(cc1)C(O)CCCN2CCC(CC2)C(O)(c3ccccc3)c4ccccc4
来源	Synthetic

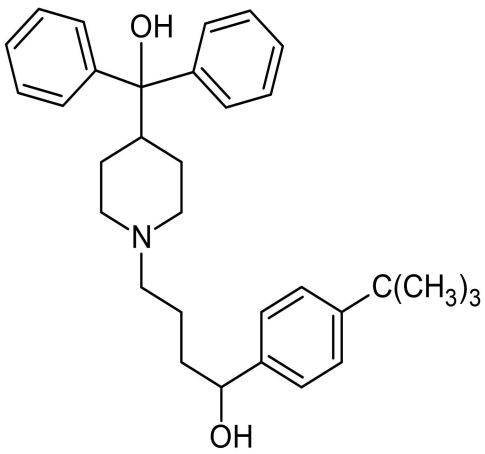
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab120270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。

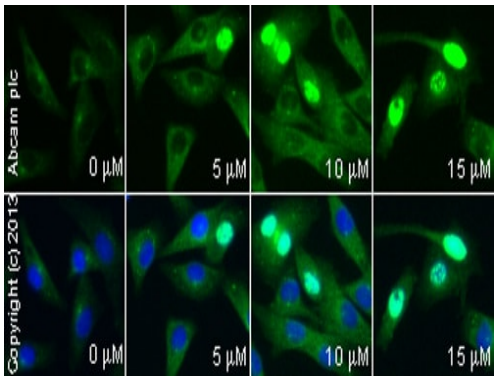
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - Terfenadine, K^+ channel blocker. H_1 antagonist. (ab120270)

2D chemical structure image of ab120270, Terfenadine, K+ channel blocker. H1 antagonist.



Immunocytochemistry/ Immunofluorescence - Terfenadine, K+ channel blocker. H1 antagonist. (ab120270)

ab2893 staining γH2A.X in MALME-3M cells treated with terfenadine (ab120270), by ICC/IF. Increase of γH2A.X nuclear expression correlates with increased concentration of terfenadine, as described in literature.

The cells were incubated at 37°C for 6 hours in media containing different concentrations of ab120270 (terfenadine) 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 **ab2893** (10 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 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.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team