abcam

Product datasheet

# Terfenadine, K+ channel blocker. H1 antagonist. ab120270

画像数 2

## 製品の概要

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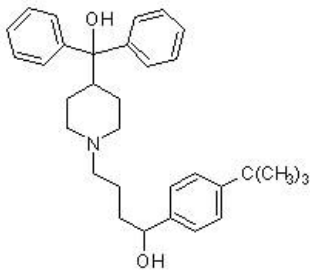
| **製品名** | Terfenadine, K+ channel blocker. H1 antagonist. |
| **製品の詳細** | $K^+$ channel blocker. $H_1$ antagonist. |
| **生理活性の詳細** | $K^+$ channel blocker (Kv11.1). Blocks ATP-sensitive $K^+$ channels ($IC_{50}$ = 1.2 µM). $H_1$ receptor antagonist. |
| **精製度** | > 98% |
| **CAS 番号** | 50679-08-8 |
| **構造式** |  |



## 製品の特性

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| **体系名** | 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 登録番号** | 5405 |
| **保存方法** | Store at +4°C. The product can be stored for up to 12 months. |
| **溶解性** | Soluble in DMSO to 100 mM |
| **使用に関する注意** | 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.<br>Refer to SDS for further information<br>Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details. |

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|---|---|
| **SMILES 線形表記** | CC(C)(C)c1ccc(cc1)C(O)CCCN2CCC(CC2)C(O)(c3ccccc3)c4ccccc4 |
| **由来** | Synthetic |

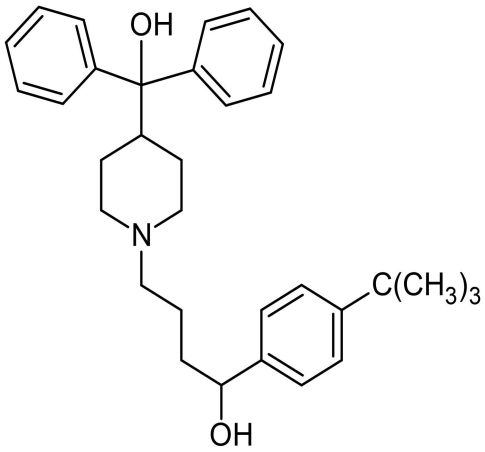
## アプリケーション

**The Abpromise guarantee** **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab120270の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

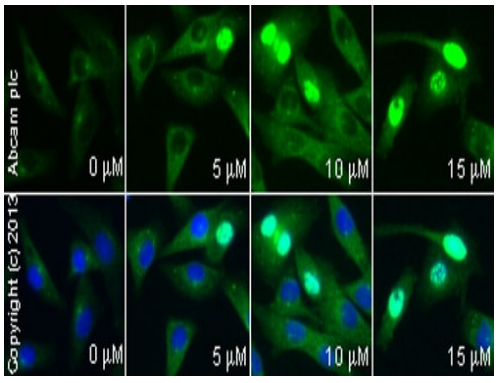
| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| **Functional Studies** | | Use at an assay dependent concentration. |

## 画像




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"

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