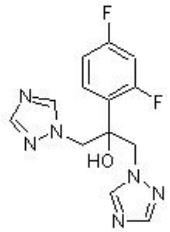
abcam

Product datasheet

Fluconazole, Cytochrome P450 inhibitor ab141065

2 图像

概述

产品名称	Fluconazole，Cytochrome P450抑制剂
描述	Triazole antifungal agent. Cytochrome P450抑制剂.
生物学描述	Triazole antifungal agent. Cytochrome P450 inhibitor (IC_{50} values are 30.3, 12.3, 13.1 µM for CYP2C9, CYP2C19 and CYP3A4, respectively). Penetrates the blood-brain barrier.
纯度	> 99%
CAS编号	86386-73-4
化学结构	

性能

化学名称	2-(2,4-Difluorophenyl)-1,3-bis(1*H*-1,2,4-triazol-1-yl)propan-2-ol
分子量	306.27
分子式	$C_{13}H_{12}F_2N_6O$
PubChem识别号	3365
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 and in ethanol 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. 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.

SMILES	OC(Cn1cncn1)(Cn2cncn2)c3ccc(F)cc3F
来源	Synthetic

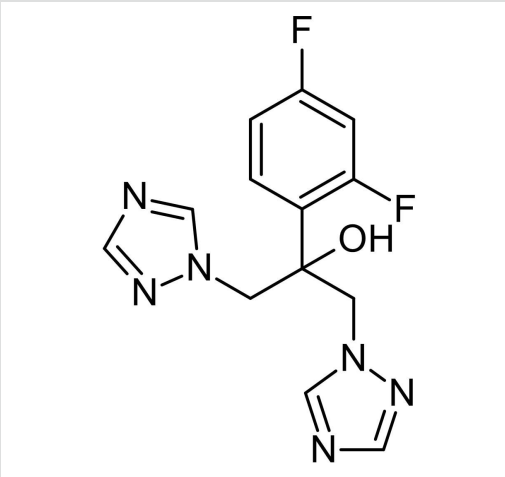
应用

The Abpromise guarantee **Abpromise™承诺保证使用**ab141065**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。

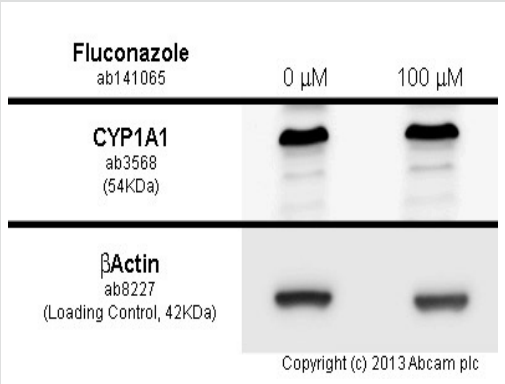
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - Fluconazole, Cytochrome P450 inhibitor (ab141065)

2D chemical structure image of ab141065, Fluconazole, Cytochrome P450 inhibitor



Functional Studies - Fluconazole, Cytochrome P450 inhibitor (ab141065)

HepG2 cells were incubated at 37ºC for 24h with vehicle control (0 µM) and 100 µM of fluconazole (ab141065). Increased expression of cytochrome P450 1A1 (**ab3568**) correlates with an increase in fluconazole concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 3% milk before being incubated with **ab3568** at 1/500 dilution and **ab8227** at 1 µg /ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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