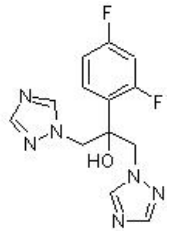
abcam

Product datasheet

Fluconazole, Cytochrome P450 inhibitor ab141065

画像数 2

製品の概要

製品名	Fluconazole, Cytochrome P450 inhibitor
製品の詳細	Triazole antifungal agent. Cytochrome P450 inhibitor.
生理活性の詳細	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.
精製度	> 99%
CAS 番号	86386-73-4
構造式	

製品の特性

体系名	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 登録番号	3365
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 and in ethanol 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. 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 線形表記	OC(Cn1cncn1)(Cn2cncn2)c3ccc(F)cc3F
由来	Synthetic

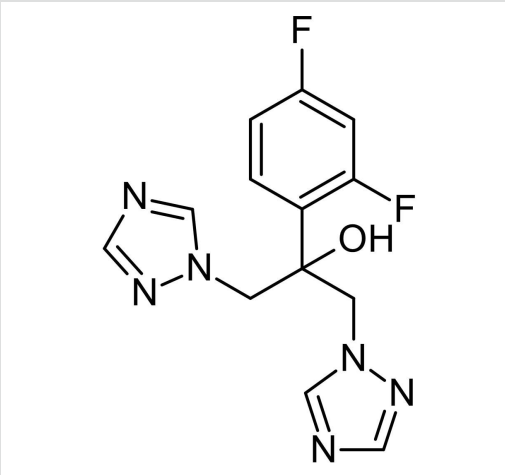
アプリケーション

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ab141065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。

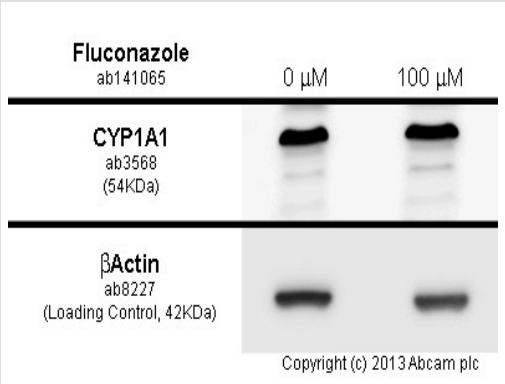
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - 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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