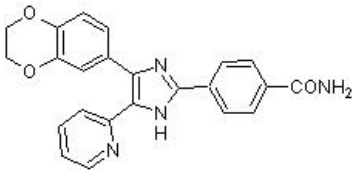


D4476, CK1 inhibitor ab120220

6 References [2 图像](#)

概述

产品名称	D4476, CK1抑制剂
描述	CK1抑制剂
生物学描述	Selective cell-permeable inhibitor of casein kinase 1 (CK1) . (IC ₅₀ values are 0.3 (CK1), 0.5 (ALK5), 9.1 (PK _d 1) and 5.8 μM (p38αMAPK)). Displays selectivity over many other protein kinases.
CAS编号	301836-43-1
化学结构	

性能

化学名称	4-[4-(2,3-Dihydro-1,4-benzodioxin-6-yl)-5-(2-pyridinyl)-1H-imidazol-2-yl]benzamide
分子量	398.41
分子式	C ₂₃ H ₁₈ N ₄ O ₃
PubChem识别号	6419753
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	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	NC(=O)c1ccc(cc1)c3nc(c2ccccc2)c(n3)c4ccc5OCCOc5c4
来源	Synthetic

应用

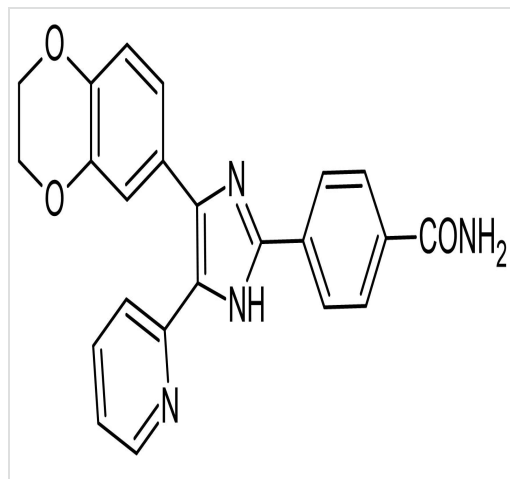
The Abpromise guarantee

Abpromise™承诺保证使用ab120220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。

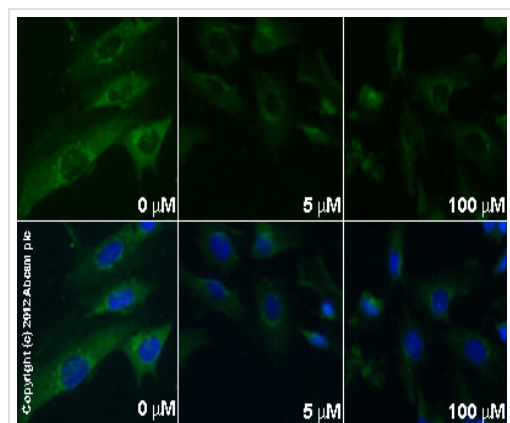
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - D4476, CK1 inhibitor
(ab120220)

2D chemical structure image of ab120220, D4476, CK1 inhibitor



Functional Studies - D4476, CK1 inhibitor
(ab120220)

ab38511 staining βcatenin (phospho Thr42 + Ser45) in SK-N-SH cells treated with D4476 (ab120220), by ICC/IF. Decrease in expression of βcatenin (phospho Thr42 + Ser45) correlates with increased concentration of D4476, as described in literature. The cells were incubated at 37°C for 2h in media containing different concentrations of ab120220 (D4476) 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 **ab38511** (5 μg/ml) 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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