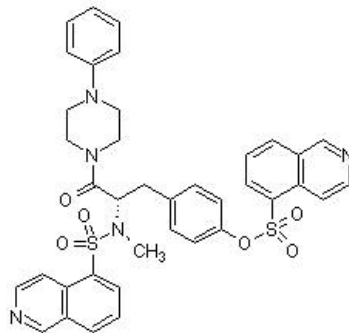


KN-62, CaM kinase II inhibitor. P2X7 antagonist. ab120421

[4 References](#) [2 图像](#)

概述

产品名称	KN-62, CaM kinase II抑制剂. P2X7拮抗剂.
描述	CaM kinase II抑制剂. P2X7拮抗剂.
生物学描述	Cell-permeable, reversible and selective inhibitor of CaM kinase II (IC ₅₀ = 500 nM). Interacts with the calmodulin binding site of the enzyme. At higher concentrations reported to inhibit GSK3β, PRAK and MAPKAP-K2. Also potent non-competitive antagonist at the P2X ₇ receptor (IC ₅₀ = 15 nM).
纯度	> 97%
CAS编号	127191-97-3
化学结构	



性能

化学名称	4-[(2S)-2-[(5-Isoquinolinylsulfonyl)methylamino]-3-oxo-3-(4-phenyl-1-piperaziny)propyl]phenylisoquinolinesulfonic acid ester
分子量	721.84
分子式	C ₃₈ H ₃₅ N ₅ O ₆ S ₂
PubChem识别号	5312126
存放说明	Store at -20°C. Store under desiccating conditions. 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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

O=C([C@H](Cc3ccc(OS(=O)(=O)c2cccc1cnccc12)cc3)N(C)S(=O)(=O)c5cccc4cnccc45)N6CCN(CC6)c7cccc7

来源

Synthetic

应用

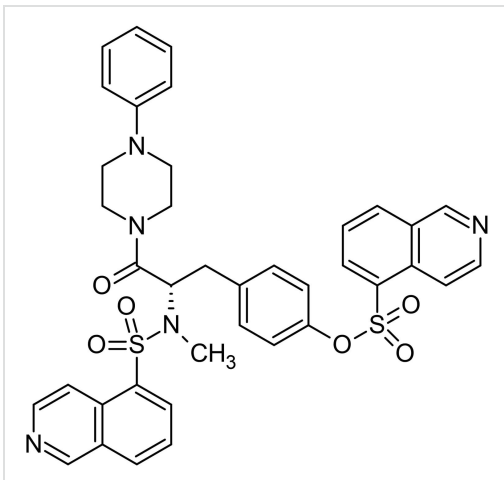
The Abpromise guarantee

Abpromise™ 承诺保证使用 ab120421 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。

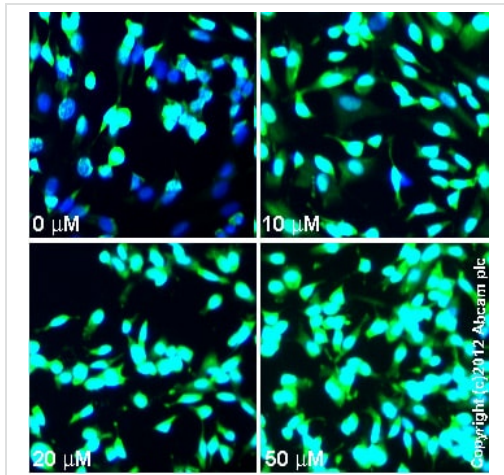
应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



Chemical Structure - KN-62, CaM kinase II inhibitor.
P2X₇ antagonist. (ab120421)

2D chemical structure image of ab120421, KN-62, CaM kinase II inhibitor. P2X₇ antagonist.



Immunocytochemistry/ Immunofluorescence - KN-62, CaM kinase II inhibitor. P2X7 antagonist. (ab120421)

ab18197 staining PCNA in SK-N-SH cells treated with KN-62 (ab120421), by ICC/IF. Increase in PCNA nuclear expression correlates with increased concentration of KN-62, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120421 (KN-62) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab18197** (1 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.

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

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