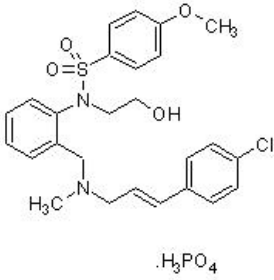


KN-93 (water soluble), CaMK II inhibitor ab120980

[3 References](#) [2 图像](#)

概述

产品名称	KN-93 (water soluble), CaMK II抑制剂
描述	Potent, specific CaMK II抑制剂
纯度	> 99%
CAS编号	1188890-41-6
化学结构	

性能

化学名称	<i>N</i> -[2-[[[(2 <i>E</i>)-3-(4-Chlorophenyl)-2-propen-1-yl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulfonamide phosphate
分子量	599.03
分子式	C ₂₆ H ₂₉ ClN ₂ O ₄ S.H ₃ PO ₄
PubChem识别号	16760530
存放说明	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
溶解度概述	Soluble in water to 100 mM and 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	<chem>Clc3ccc(/C=C/CN(C)Cc2ccccc2N(CCO)S(=O)(=O)c1ccc(OC)cc1)cc3.O=P(O)(O)O</chem>

来源

Synthetic

应用

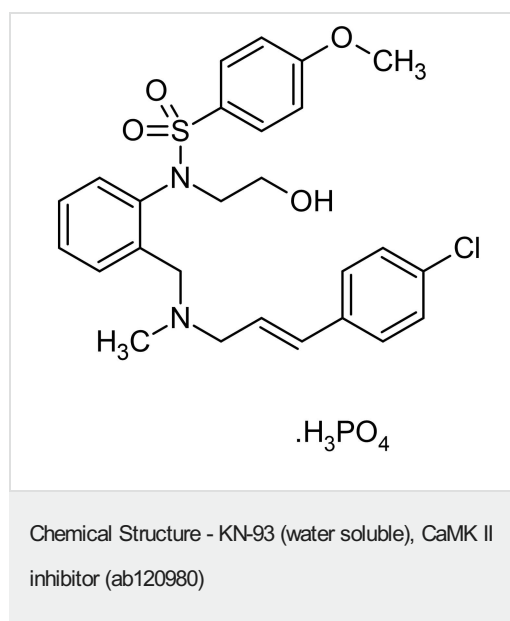
The Abpromise guarantee

Abpromise™承诺保证使用ab120980于以下的经测试应用

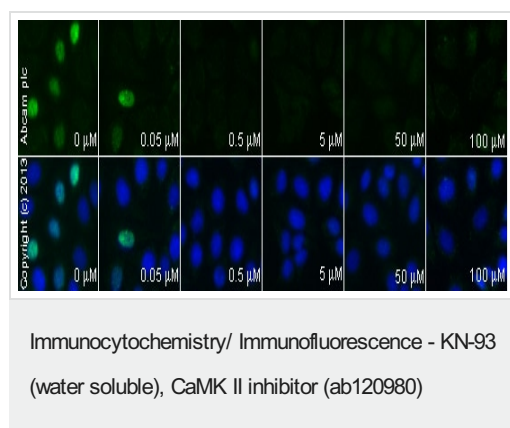
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

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

图片



2D chemical structure image of ab120980, KN-93 (water soluble), CaMK II inhibitor



ab40754 staining cyclin D1 in MCF7 cells treated with KN-93 (water soluble) (ab120980), by ICC/IF. Decrease in cyclin D1 expression correlates with increased concentration of KN-93 (water soluble), as described in literature.

The cells were incubated at 37°C for 24 hours in media containing different concentrations of ab120980 (KN-93 (water soluble)) 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 **ab40754** (1/100 dilution) 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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