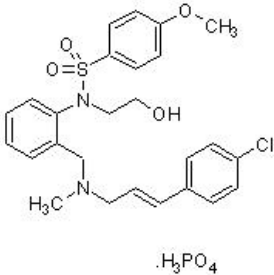


KN-93 (water soluble), CaMK II inhibitor ab120980

3 References [画像数 2](#)

製品の概要

製品名	KN-93 (water soluble), CaMK II inhibitor
製品の詳細	Potent, specific CaMK II inhibitor
精製度	> 99%
CAS 番号	1188890-41-6
構造式	

製品の特性

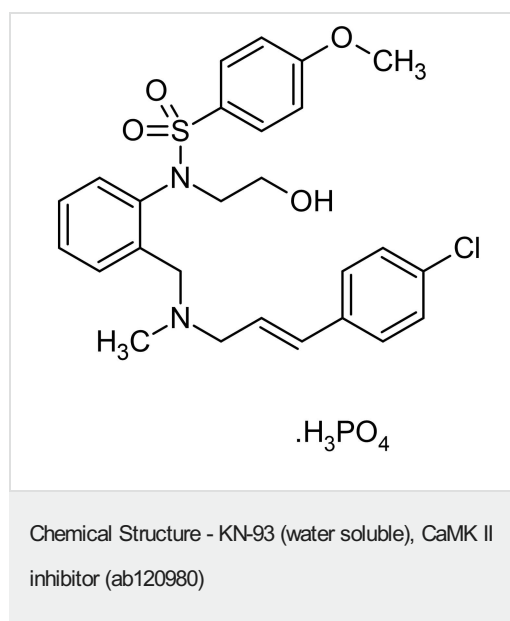
体系名	<i>N</i> -[2-[[[(2 <i>E</i>)-3-(4-Chlorophenyl)-2-propen-1-yl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulfonamide phosphate
分子量	599.03
分子式	C ₂₆ H ₂₉ ClN ₂ O ₄ S.H ₃ PO ₄
PubChem 登録番号	16760530
保存方法	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
溶解性	Soluble in water to 100 mM and in DMSO to 100 mM
使用に関する注意	<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 線形表記	<chem>Clc3ccc(/C=C/CN(C)Cc2ccccc2N(CCO)S(=O)(=O)c1ccc(OC)cc1)cc3.O=P(O)(O)O</chem>

アプリケーション

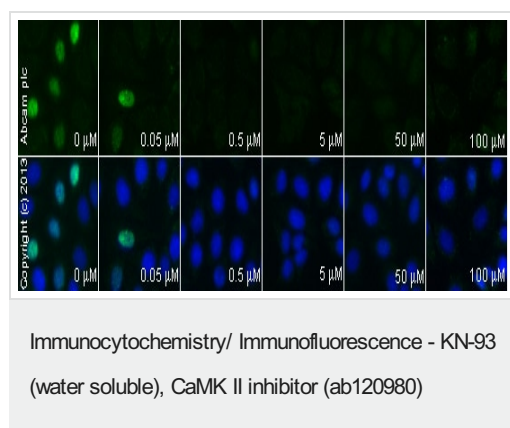
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab120980の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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

画像



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.

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