

**Product Name:** KN 92

**Catalog No.:** 4130

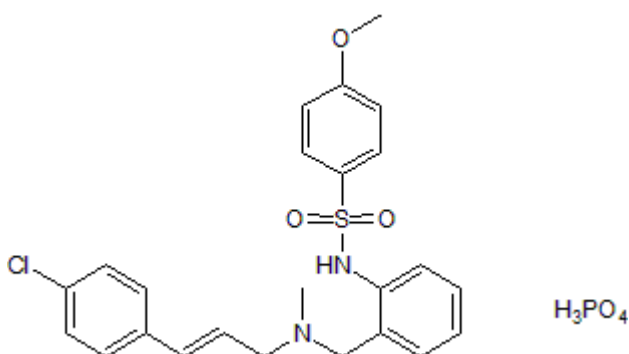
**Batch No.:** 1

**CAS Number:** 1135280-28-2

**IUPAC Name:** 2-[N-(4'-Methoxybenzenesulfonyl)]amino-N-(4'-chlorophenyl)-2-propenyl-N-methylbenzylamine phosphate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>3</sub>S.H<sub>3</sub>PO<sub>4</sub>  
**Batch Molecular Weight:** 554.98  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 10 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373  
[www.RnDSystems.com](http://www.RnDSystems.com)

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IUPAC Name: 2-[N-(4'-Methoxybenzenesulfonyl)]amino-N-(4'-chlorophenyl)-2-propenyl-N-methylbenzylamine phosphate

**Description:**

Inactive analog of the CaM kinase II inhibitor KN 93 (Cat. No. 1278). Potassium channel (K<sub>v</sub>1.2, 1.4, 1.5, 2.1, 3.2 and hERG) blocker in vitro.

**Physical and Chemical Properties:**

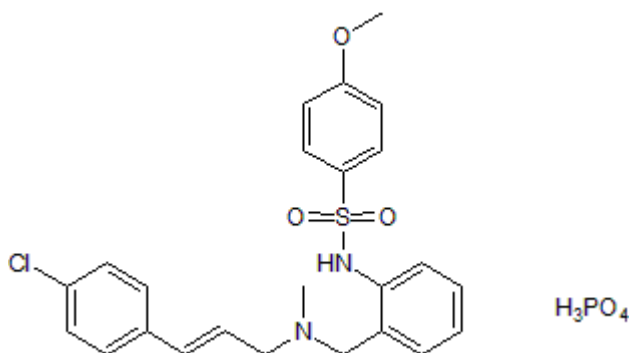
Batch Molecular Formula: C<sub>24</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>3</sub>S.H<sub>3</sub>PO<sub>4</sub>

Batch Molecular Weight: 554.98

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 10 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Rezazadeh et al** (2005) KN-93 (2-[N-(2-hydroxyethyl)]-N-(4-methoxybenzenesulfonyl)]amino-N-(4-chlorocinnamyl)-N-methylbenzylamine), a calcium/calmodulin-dependent protein kinase II inhibitor, is a direct extracellular blocker of voltage-gated potassium channels. *J.Pharmacol.Exp.Ther.* **317** 292. PMID: 16368898.

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