Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

KN-92

Catalog No: tcsc1070

Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
176708-42-2

Formula:
$C_{24}H_{25}ClN_2O_3S$

Pathway:
Neuronal Signaling

Target:
CaMK

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
456.98

Product Description

KN-92 is an inactive derivative of KN-93. KN-93 is a selective inhibitor of Ca2+/calmodulin-dependent kinase II (CaMKII),

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competitively blocking CaM binding to the kinase (Ki = 370 nM).

IC50 value:

Target:

KN-92 is intended to be used as a control compound in studies designed to elucidate the antagonist activities of KN-93. KN-93 inhibits histamine-induced aminopyrine uptake in parietal cells (IC50 = 300 nM). KN-93 has been used to implicate roles for CaMKII in Ca2+-induced Ca2+ release in cardiac myocytes, constitutive phosphorylation of 5-lipoxygenase in 3T3 cells, and Ca2+-dependent activation of HIF-1α in colon cancer cell.