Creative Enzymes®

GSK1016790A

Cat. No. COEC-115

Lot. No. (See product label)

Introduction

Description	GSK1016790A is a novel and potent TRPV4 channel agonist. The TRPV4 (transient receptor potential vanilloid 4) member of the TRP superfamily has been implicated in numerous physiological processes. GSK1016790A elicited Ca2+ influx in mouse and human TRPV4 expressing HEK cells (EC50 values of 18 and 2.1 nM, respectively), and evoked a dose-dependent activation of TRPV4 whole-cell currents at concentrations above 1 nM. It is 300 fold more potent than 4a-PDD.
Applications	A novel and potent TRPV4 channel agonist
Synonyms	(N-((1S)-1-{[4-((2S)-2-{[(2,4-Dichlorophenyl)sulfonyl]amino}-3-hydroxypropanoyl)-1-piperazinyl]carbonyl}-3-methylbutyl)-1-benzothiophene-2-carboxamide

Product Information

Form	Solid
CAS No.	942206-85-1
Molecular Formula	C28H32Cl2N4O6S2
Molecular Weight	655.61
Purity	≥98%
Solubility	Soluble in DMSO >10 mg/mL
Refractive Index	1.53 (Predicted)
Density	1.12 g/cm3 (Predicted)