

## 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 Ca<sup>2+</sup> influx in mouse and human TRPV4 expressing HEK cells (EC<sub>50</sub> 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

<b>Form</b>	Solid
<b>CAS No.</b>	942206-85-1
<b>Molecular Formula</b>	C <sub>28</sub> H <sub>32</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight</b>	655.61
<b>Purity</b>	≥98%
<b>Solubility</b>	Soluble in DMSO >10 mg/mL
<b>Refractive Index</b>	1.53 (Predicted)
<b>Density</b>	1.12 g/cm <sup>3</sup> (Predicted)