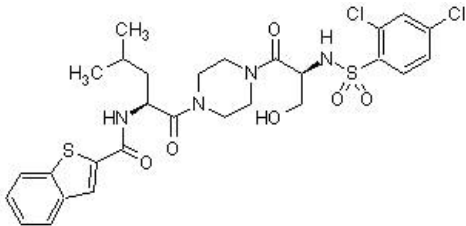


## Product datasheet

# GSK-1016790A, TRPV4 channel agonist ab146191

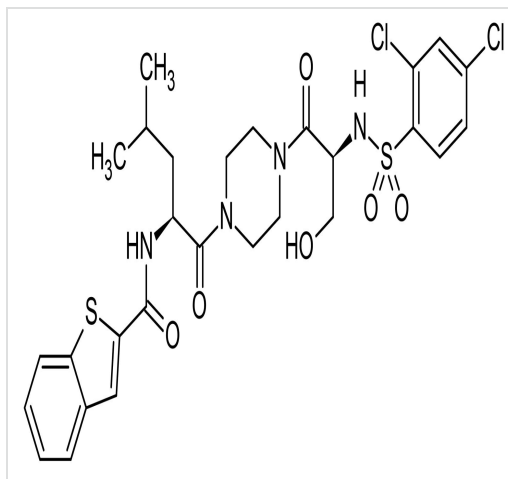
[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	GSK-1016790A, TRPV4 channel agonist
<b>Description</b>	Novel, potent TRPV4 channel agonist
<b>Biological description</b>	Novel, potent TRPV4 channel agonist. Induced $\text{Ca}^{2+}$ influx in mouse and human TRPV4 expressing HEK cells ( $\text{EC}_{50}$ values of 18 and 2.1 nM respectively), and evoked a dose-dependent activation of TRPV4 whole-cell currents at concentrations above 1 nM. 300-fold more potent than 4 $\alpha$ -PDD.
<b>CAS Number</b>	942206-85-1
<b>Chemical structure</b>	

### Properties

<b>Molecular weight</b>	655.61
<b>Molecular formula</b>	$\text{C}_{28}\text{H}_{32}\text{Cl}_2\text{N}_4\text{O}_6\text{S}_2$
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Handling</b>	<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 <math>-20^\circ\text{C}</math>. 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 <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>Clc1ccc(c(Cl)c1)S(=O)(=O)N[C@@H](CO)C(=O)N2CCN(CC2)C(=O)[C@H](CC(C)C)NC(=O)c3cc4ccccc4s3</chem>
<b>Source</b>	Synthetic



2D chemical structure image of ab146191, GSK-1016790A, TRPV4 channel agonist

Chemical Structure - GSK-1016790A, TRPV4 channel agonist (ab146191)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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