Product datasheet

GSK-1016790A, TRPV4 channel agonist ab146191

Overview

Product name
GSK-1016790A, TRPV4 channel agonist

Description
Novel, potent TRPV4 channel agonist

Biological description
Novel, potent TRPV4 channel agonist. Induced Ca$^{2+}$ influx in mouse and human TRPV4 expressing HEK cells (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 4α-PDD.

CAS Number
942206-85-1

Chemical structure

![Chemical structure image]

Properties

Molecular weight
655.61

Molecular formula
C$_{28}$H$_{32}$Cl$_{2}$N$_{4}$O$_{6}$S$_{2}$

Storage instructions
Store at Room Temperature. The product can be stored for up to 12 months.

Handling
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 -20°C. 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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
Clc1ccc(c(Cl)c1)S(=O)(=O)N[C@@H](CO)C(=O)N2CNC(C2)C(=O)[C@H] (CC(C)C)NC(=O)c3cc4ccccc4s3

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemistry are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team