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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Pyr3

TRPC3 Channel blocker
Catalog No. SIH-306



Discovery through partnership | Excellence through quality

Overview

Product Name

Pyr3

Description

TRPC3 Channel blocker

Purity

>98%

CAS No.

1160514-60-2

Molecular Formula

C₁₁H₁₁Cl₂F₂N₂O

Molecular Weight

456.63

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

White Solid

SMILES

CCOC(=O)C1=C(N(N=C1)C2=CC=C(C=C2)NC(=O)C(=C(Cl)Cl)Cl)C(F)(F)F

InChi

InChi=1S/C16H11Cl3F3N3O3/c1-2-28-15(27)10-7-23-25(12(10)16(20,21)22)9-5-3-8(4-6-9)24-14(26)11(17)13(18)19/h3-7H,2H2,1H3,(H,24,2

6)

InChIKey

RZHGONNSASQOAY-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

Pyr3 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-306)

Biological Description

Alternative Names

Ethyl 1-{4-[(2,3,3-trichloroacryloyl)amino]phenyl}-5-(trifluoromethyl)-1H-pyrazole-4-carboxylate

Research Areas

Ion Channels, Neuroscience, Transient Receptor Potential Channels

PubChem ID

56964346

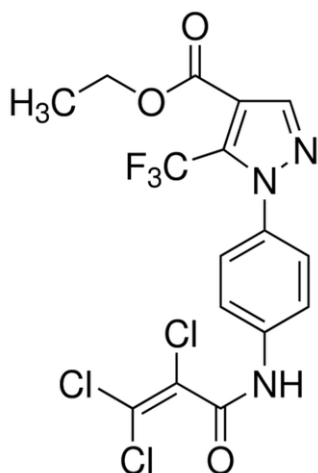
Scientific Background

Pyr3, a novel pyrazole, selectively inhibits TRPC3 channels. In B lymphocytes, Pyr3 eliminated the B cell receptor-induced Ca²⁺ oscillation regulated by TRPC3-mediated Ca²⁺ influx. In the cardiac system, Pyr3 attenuates activation of nuclear factor of activated T cells and hypertrophic growth in myocytes and pressure overloaded-induced hypertrophy in vivo (1).

References

1. Kiyonaka S., Kato K., Nishida M., and Mori Y. (2010) Yakugaku Zasshi. 130(3): 303-311.

Product Images



Chemical structure of Pyr3 (SIH-306), a TRPC3 Channel blocker. CAS #: 1160514-60-2. Molecular Formula: C₁₆H₁₁Cl₃F₃N₃O₃. Molecular Weight: 456.63 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.