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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Dofetilide

Herg channel blocker
Catalog No. SIH-311



Discovery through partnership | Excellence through quality

Overview

Product Name

Dofetilide

Description

Herg channel blocker

Purity

>98%

CAS No.

115256-11-6

Molecular Formula

C11H11NO5

Molecular Weight

441.56

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

CN(CCC1=CC=C(C=C1)NS(=O)(=O)C)CCOC2=CC=C(C=C2)NS(=O)(=O)C

InChI

InChI=1S/C19H27N3O5S2/c1-22(13-12-16-4-6-17(7-5-16)20-28(2,23)24)14-15-27-19-10-8-18(9-11-19)21-29(3,25)26/h4-11,20-21H,12-15

H

InChIKey

IXTMWRCNAAVAI-UHFFFAOYSA-N

Safety Phrases

Classification: Toxic. May be harmful or fatal if inhaled, swallowed or absorbed through skin.

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

S53 - Avoid exposure - obtain special instruction before use

S57 - Use appropriate containment to avoid environmental contamination

Risk Phrases:

R22 - Harmful if swallowed

R48 - Danger of serious damage to health by prolonged exposure

R51/53 - Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment

R61 - May cause harm to the unborn child

R62 - Possible risk of impaired fertility

Hazard Phrases:

H302-H319-H360

Precautionary Phrases:

P201-P305 + P351 + P338-P308 + P313

Cite This Product

Dofetilide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-311)

Biological Description

Alternative Names

N-(4-{2-[Methyl(2-{4-[(methylsulfonyl)amino]phenoxy}ethyl)amino]ethyl}phenyl)methanesulfonamide, Tikosyn, UK 68798

Research Areas

Ion Channels, Neuroscience

PubChem ID

71329

Scientific Background

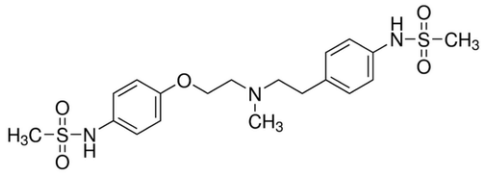
Dofetilide is a class III antiarrhythmic agent (1). It works by selectively blocking the rapid component of the delayed rectifier outward potassium current (2).

References

1. Lentz T.L., Hilleman D.E. (2000) Pharmacotherapy. 20(7): 776-786.
 2. Roukoz H., Saliba W. (2007) Expert Rev Cardiovasc Ther. 5(1): 9-19.
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Product Images

Chemical structure of Dofetilide (SIH-311), a Herg channel blocker. CAS #: 115256-11-6. Molecular Formula: C₁₉H₂₇N₃O₅S₂. Molecular Weight: 441.56 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.