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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) 

Astemizole

Herg channel blocker
Catalog No. SIH-302



Discovery through partnership | Excellence through quality

Overview

Product Name

Astemizole

Description

Herg channel blocker

Purity

>98%

CAS No.

68844-77-9

Molecular Formula

C₁₇H₁₇FN₃O

Molecular Weight

458.57

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO and to 25 mM in ethanol

Source

Synthetic

Appearance

White solid

SMILES

COC1=CC=C(C=C1)CCN2CCC(CC2)NC3=NC4=CC=CC=C4N3CC5=CC=C(C=C5)F

InChI

InChI=1S/C28H31FN4O/c1-34-25-12-8-21(9-13-25)14-17-32-18-15-24(16-19-32)30-28-31-26-4-2-3-5-27(26)33(28)20-22-6-10-23(29)11-7-

InChIKey

GXDALQBWZGODGZ-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

Risk Phrases:

R62 - Possible risk of impaired fertility

Hazard Phrases:

H315-H319-H335

Precautionary Phrases:

P261-P305 + P351 + P338

Cite This Product

Astemizole (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-302)

Biological Description

Alternative Names

1-(4-Fluorobenzyl)-N-{1-[2-(4-methoxyphenyl)ethyl]-4-piperidinyl}-1H-benzimidazol-2-amine, Hismanal

Research Areas

Ion Channels, Neuroscience

PubChem ID

2247

Scientific Background

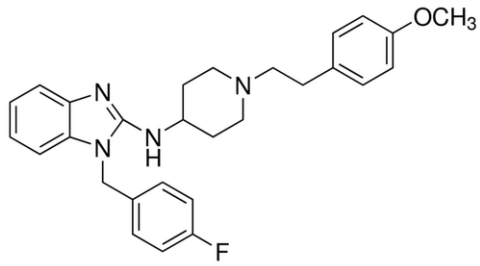
Astemizole is a second generation antihistamine drug which has a long duration of action. It binds to histamine H1-receptor sites in the gastrointestinal tract, uterus, blood vessels and bronchial muscle. It does not cross the blood-brain barrier, and the binding is primarily in the peripheral nervous system (1). It is metabolized by CYP3A4 (2).

References

1. Laduron P.M., Janssen P.F., Commeren W. and Leysen J.E. (1982) Mol Pharmacol. 21(2): 294-300.
 2. Maysumoto S., Yamazoe Y. (2001) Br. J Clin Pharmacol. 51(2): 133-142.
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Product Images

Chemical structure of Astemizole (SIH-302), a Herg channel blocker. CAS #: 68844-77-9. Molecular Formula: C₂₈H₃₁FN₄O. Molecular Weight: 458.57 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.