



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Amiodarone Hydrochloride

Autophagy inducer  
Catalog No. SIH-393



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Amiodarone Hydrochloride

### Description

Autophagy inducer

### Purity

>99%

### CAS No.

19774-82-4

### Molecular Formula

C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>·HCl

### Molecular Weight

681.77

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inducer

### Solubility

Soluble to 50 mM in DMSO

### Source

Synthetic

### Appearance

White solid

### SMILES

[H+].C1=CC=CC2=C1C(=C(O2)CCCC)C(=O)C3=CC(=C(OCCN(CC)CC)C(=C3))I.[Cl-]

### InChI

InChI=1S/C25H29I2NO3.ClH/c1-4-7-11-22-23(18-10-8-9-12-21(18)31-22)24(29)17-15-19(26)25(20(27)16-17)30-14-13-28(5-2)6-3;/h8-10,1

2,15-16H,4-7,11,13-14H2,1-3H3;1H

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### InChIKey

ITPDYQOUSLNIHG-UHFFFAOYSA-N

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### Safety Phrases

Classification: D1B- Toxic Material Causing Immediate and Serious, Toxic Effects, Toxic by inhalation.

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.

Hazard statements:

H303- May be harmful if swallowed.

H312 + H332- Harmful in contact with skin or if inhaled

Precautionary statements:

P280- Wear protective gloves/ protective clothing.

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### Cite This Product

Amiodarone Hydrochloride (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-393)

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## Biological Description

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### Alternative Names

2-Butyl-3-benzofuranyl-4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl ketone hydrochloride

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### Research Areas

Cancer, Autophagy

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### PubChem ID

441325

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### Scientific Background

Amiodarone is a non-selective ion channel blocker. It has been found, when used in *Saccharomyces cerevisiae*, to induce an influx of Ca<sup>2+</sup> followed by mitochondrial fragmentation and subsequent cell death. Amiodarone has also been shown to induce autophagy by inhibiting mTORC1. Lastly, Amiodarone has broad-spectrum fungicidal activity.

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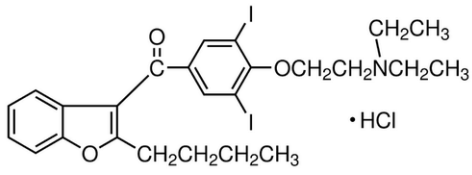
### References

1. Zhang Y., et al. (2007). J Biol Chem. 282(52): 37844-53.
  2. Balgi A., et al. (2009). PLoS One. 4(9): e7124.
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## Product Images

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Chemical structure of Amiodarone Hydrochloride (SIH-393), a Autophagy inducer.  
CAS #: 19774-82-4. Molecular Formula: C<sub>25</sub>H<sub>29</sub>I<sub>2</sub>NO<sub>3</sub>.HCl. Molecular Weight: 681.77 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.