



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# DMPQ Dihydrochloride

PDGFR $\beta$  kinase inhibitor

Catalog No. SIH-441



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

DMPQ Dihydrochloride

### Description

PDGFR $\beta$  kinase inhibitor

### Purity

>98% (HPLC)

### CAS No.

137206-97-4

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>

### Molecular Weight

339.2

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 100 mM in water

### Source

Synthetic

### Appearance

White to beige solid

### SMILES

C1=CC(=CC=N1)C2=CC3=C(N=C2)C=C(C=C3OC)OC

### InChi

InChi=1S/C16H14N2O2.2ClH/c1-19-13-8-15-14(16(9-13)20-2)7-12(10-18-15)11-3-5-17-6-4-11;;/h3-10H,1-2H3;2\*1H

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**InChIKey**

YBBAOKYVJCNJIV-UHFFFAOYSA-N

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**Safety Phrases**

Classification:

Acute toxicity, Oral (Category 4)

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:

H302 Harmful if swallowed.

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**Cite This Product**

DMPQ Dihydrochloride (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-441)

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**Biological Description**

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**Alternative Names**

5,7-Dimethoxy-3-(4-pyridinyl)quinoline dihydrochloride

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**Research Areas**

Cancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

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**PubChem ID**

45073427

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**Scientific Background**

DMPQ dihydrochloride is a potent and selective inhibitor of human vascular  $\alpha$ -type platelet derived growth factor receptor tyrosine kinase (PDGFR $\alpha$ ). It displays > 100-fold selectivity over EGFR tyrosine kinase, erbB2, p56, protein kinase A and protein kinase C.

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**References**

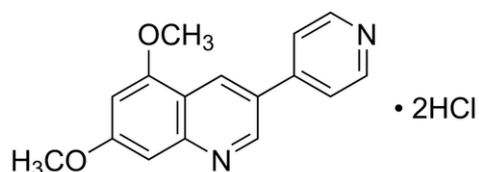
1. Dolle R.E., et al. (1994) J. Med. Chem. 37(17): 26272629.

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**Product Images**

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Chemical structure of DMPQ Dihydrochloride (SIH-441), a PDGFR $\alpha$  kinase inhibitor. CAS #: 137206-97-4. Molecular Formula: C<sub>16</sub>H<sub>16</sub>ClN<sub>2</sub>O<sub>2</sub>. Molecular Weight: 339.2 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.