



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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SC 79

Akt kinase activator  
Catalog No. SIH-512



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

SC 79

### Description

Akt kinase activator

### Purity

>97% (NMR)

### CAS No.

305834-79-1

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>ClN<sub>2</sub>O<sub>2</sub>

### Molecular Weight

364.8

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Activator

### Solubility

Soluble to 100 mM in DMSO

### Source

Synthetic

### Appearance

White solid

### SMILES

CCOC(=O)C1=C(OC2=C(C1C(C#N)C(=O)OCC)C=C(C=C2)Cl)N

### Safety Phrases

Classification:

Not a hazardous substance or mixture.

**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.

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**Cite This Product**

SC 79 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-512)

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**Biological Description**

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**Alternative Names**

SC-79, SC79, 2-Amino-6-chloro-7-cyano-3-(ethoxycarbonyl)-4H-1-benzopyran-4-acetic acid ethyl ester

**Research Areas**

Cell Signaling

**Scientific Background**

SC 79 is an activator of Akt (protein kinase B). Specifically, it has been shown to bind the pleckstrin homology (PH) domain of Akt. This mimics the binding of Phosphatidylinositol (3,4,5)-trisphosphates, which induces a conformational change in Akt, that enhances phosphorylation and activation.

**References**

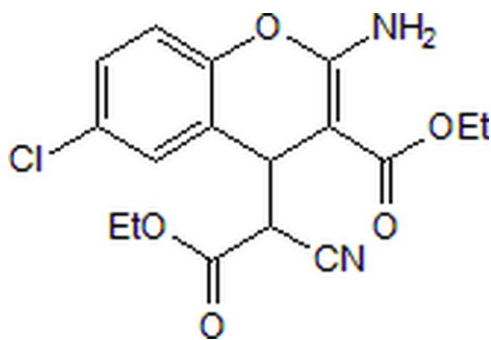
1. Jo H., et al. (2012) Pro. Nat. Acad. Sci. USA. 109(26): 1058110586.

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**Product Images**

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Chemical structure of SC 79 (SIH-512), a Akt kinase activator. CAS #: 305834-79-1. Molecular Formula: C<sub>17</sub>H<sub>17</sub>CIN<sub>2</sub>O<sub>5</sub>. Molecular Weight: 364.8 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.