



# 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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115-7C

Hsp70 Activator  
Catalog No. SIH-123



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

115-7C

### Description

Hsp70 Activator

### Purity

>98%

### Molecular Formula

C11H13ClN2O5

### Molecular Weight

477.34

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Activator

### Solubility

Soluble in DMSO (20 mg/ml)

### Source

Synthetic

### Appearance

White Solid

### SMILES

CC1=C(C(NC(=O)N1CCCC(=O)O)c2ccc(cc2Cl)Cl)C(=O)OCc3ccccc3

### InChI

InChI=1S/C23H22Cl2N2O5/c1-14-20(22(30)32-13-15-6-3-2-4-7-15)21(17-10-9-16(24)12-18(17)25)26-23(31)27(14)11-5-8-19(28)29/h2-4,6-7,9-10,12,21H,5,8,11,13H2,1H3,(H,26,31)(H,28,29)

### InChIKey

## 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

## Cite This Product

115-7C (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-123)

## Biological Description

### Alternative Names

4-(5-((benzyloxy)carbonyl)-4-(2,4-dichlorophenyl)-6-methyl-2-oxo-3,4-dihydropyrimidin-1(2H)-yl)butanoic acid, SWO2

### Research Areas

Cancer, Heat Shock

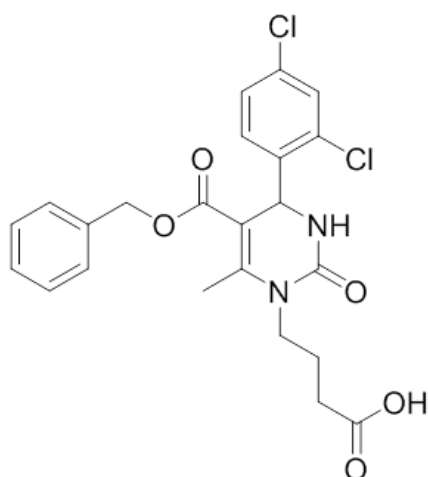
### Scientific Background

115-7c activates Hsp70 ATPase turnover rate and promotes Hsp70 substrate refolding. It binds to the IIA subdomain of DnaK and promotes the DnaK-DnaJ complex. Equivalent with SW02.

### References

1. Wisen et al., (2010) ACS Chem. Biol., 5: 611-622.
2. Jinwal et al. (2009) J. Neurosci. 29:12079.
3. Chafekar et al. (2012) ACS Chem Biol. 7:1556.
4. Walter et al. (2011) J. Biol. Chem. 286:40486

## Product Images



Chemical structure of 115-7C (SIH-123), a Hsp70 Activator. Molecular Formula: C<sub>21</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub>. Molecular Weight: 477.34 g/mol.

## Product Citations (1)

### Other Citations

Hsp70 May Be a Molecular Regulator of Schistosome Host Invasion.

Ishida, K. and Jolly E.R. -2016 PLoS Negl Trop Dis. 10(9):e0004986.

**PubMed ID:** 27611863 **Applications:** In vitro activation

## Reviews

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There are no reviews yet.