



# 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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RK 682

Tyrosine phosphatase inhibitor  
Catalog No. SIH-522



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

RK 682

### Description

Tyrosine phosphatase inhibitor

### Purity

>98% (HPLC)

### CAS No.

150627-37-5

### Molecular Formula

C11H11O1

### Molecular Weight

368.5

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble DMSO, heptane and xylene: ?8 mg/ml

### Source

Synthetic

### Appearance

Solid

### InChI

InChI=1S/C21H36O5/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-17(23)19-20(24)18(16-22)26-21(19)25/h18,22,24H,2-16H2,1H3

### InChIKey

KZTSLHQWLYYAC-UHFFFAOYSA-N

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## Safety Phrases

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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

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RK 682 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-522)

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## Biological Description

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### Alternative Names

RK-682, (R)-3-Hexadecanoyl-5-hydroxymethyltetronic acid, (R)-4-Hydroxy-5-(hydroxymethyl)-3-(1-oxohexadecyl)-2(5H)-furanone

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### Research Areas

Cell Signaling

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### PubChem ID

54685915

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### Scientific Background

RK 682 is a specific inhibitor of protein tyrosine phosphatase. It is naturally occurring calcium salt of 3-hexadecanoyl-5-hydroxymethyl-tetronic acid. RK 682 has been shown to inhibit cell cycle progression at G1 phase.

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### References

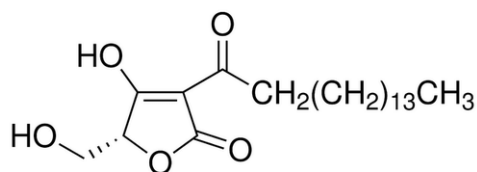
1. Hamaguchi T., Sudo T., & Osada H. (1995) FEBS Letters. 372(1): 5458.

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## Product Images

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Chemical structure of RK 682 (SIH-522), a Tyrosine phosphatase inhibitor. CAS #: 150627-37-5. Molecular Formula: C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>. Molecular Weight: 368.5 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.