



# 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

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# MAPKII Kinase Inhibitor

Hsp25 Kinase Inhibitor  
Catalog No. SIH-120



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

MAPKII Kinase Inhibitor

### Description

Hsp25 Kinase Inhibitor

### Purity

>95%

### Molecular Formula

C11H13N1O1

### Molecular Weight

1396.7

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO or H2O

### Source

Synthetic

### Appearance

White Solid

### 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

## Biological Description

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### Research Areas

Cancer, Heat Shock

### Scientific Background

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The MAPK (mitogen activated protein kinase) comprises a family of ubiquitous praline-directed, protein serine/threonine kinases which signal transduction pathways that control intracellular events including acute responses to hormones and major developmental changes in organisms (1). This super family consists of stress activated protein kinases (SAPKs); extracellular signal-regulated kinases (ERKs); and p38 kinases, each of which forms a separate pathway (2). In particular, MAPKAP-kinase II (or otherwise known as MK2) is involved in inflammation, and is considered a target for therapeutic intervention for inflammation and cancer (3). MK2 is a member of the p38 MAPKinase pathway, and is activated by a variety of chemical stress inducers including hydrogen peroxide, heavy metals, anisomycin, sodium salicylate, LPS, and biological stress signals such as tumor necrosis factor, interleukin-1, ionizing and UV irradiation, hyperosmotic stress and chemotherapeutic drugs (3).

### References

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1. Pearson G. et al. (2001). *Endocrine Reviews* 22 (2): 153-183.
  2. Fan Y., et al. (2007) *Mol. Cells* 23 (1): 30-38.
  3. Deng et al. (2003) *Cell* 115: 61-70.
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## Product Images

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Currently there are no images for this product

## 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.