



# 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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# Kainic Acid

Kainate agonist  
Catalog No. SIH-364



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Kainic acid

### Description

Kainate agonist

### Purity

>99% (HPLC)

### CAS No.

58002-62-3

### Molecular Formula

C11H17NO6

### Molecular Weight

213.2

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Agonist

### Solubility

May be dissolved in water (10 mg/ml)

### Source

Synthetic

### Appearance

White powder

### SMILES

CC(=O)C[C@H]1CN[C@@H]([C@H]1CC(=O)O)C(=O)O

### InChI

InChI=1S/C10H15NO4/c1-5(2)7-4-11-9(10(14)15)6(7)3-8(12)13/h6-7,9,11H,1,3-4H2,2H3,(H,12,13)(H,14,15)/t6-,7+,9-/m0/s1

## InChIKey

VLSMHGEGTFMBBZ-OOZYFLPDSA-N

## 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

Kainic acid (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-364)

## Biological Description

### Alternative Names

(2S,3S,4S)-3-(carboxymethyl)-4-(prop-1-en-2-yl)-pyrrolidine-2-carboxylic acid, Monohydrate

### Research Areas

Glutamate Receptors, Ion Channels, Kainate Receptors, Neuroscience, Neurotransmitter Receptors

### PubChem ID

10255

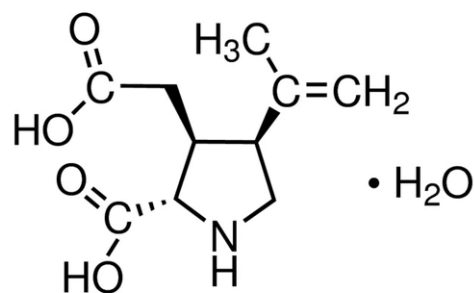
### Scientific Background

Kainic acid is a conformationally restricted glutamate analog which acts as a selective agonist at kainate receptors. It is a central nervous system stimulant and neurotoxin. It acts as a classic neuroexcitatory agent for induction of seizures in laboratory animals (typical dose 10-30 mg/kg).

### References

1. Watkins J.C., et al. (1981) Ann. Rev. Pharmacol. Toxicol. 21: 165.

## Product Images



## Product Citations (0)

Currently there are no citations for this product.

## Reviews

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There are no reviews yet.