



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

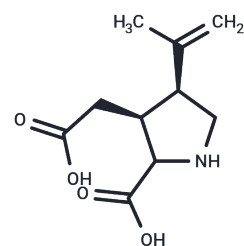
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Kainic acid

Chemical Properties

CAS No. :	487-79-6
Formula:	C ₁₀ H ₁₅ NO ₄
Molecular Weight:	213.23
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	In the CNS, Kainic acid is an effective agonist at excitatory amino acid receptor subtypes.
Targets(IC50)	Others
In vivo	HO-1 levels are obviously enhanced one, three, and seven days after i.c.v. injection of Kainic acid. The HO-1 protein level reaches a maximum and then decreases, but is still significantly enhanced versus the vehicle-injected group, one day after i.c.v. injection of Kainic acid. HO-1-immunoreactivity is strongly induced not only in the CA3 but also widely in the whole hippocampus, after i.c.v. injection of Kainic acid.

Solubility Information

Solubility	H ₂ O: 50 mg/mL (234.49 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6898 mL	23.4489 mL	46.8977 mL
5 mM	0.938 mL	4.6898 mL	9.3795 mL
10 mM	0.469 mL	2.3449 mL	4.6898 mL
50 mM	0.0938 mL	0.469 mL	0.938 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Matsuoka Y, et al. Kainic acid induction of heme oxygenase in vivo and in vitro. Neuroscience. 1998 Aug;85(4): 1223-33.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481