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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Quisqualic Acid

Glutamate receptor agonist
Catalog No. SIH-418



Discovery through partnership | Excellence through quality

Overview

Product Name

Quisqualic Acid

Description

Glutamate receptor agonist

Purity

99.2%

CAS No.

52809-07-1

Molecular Formula

C₁₁H₁₉NO₄

Molecular Weight

189.13

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Agonist

Solubility

Soluble to 100 mM in 1eq. NaOH; 10 mM in water

Source

Isolated from Quisqualis fructus

Appearance

Off white solid

SMILES

[C@H](N)(CN1OC(=O)NC1=O)C(=O)O

InChI

InChI=1S/C5H7N3O5/c6-2(3(9)10)1-8-4(11)7-5(12)13-8/h2H,1,6H2,(H,9,10)(H,7,11,12)/t2-/m0/s1

InChIKey

ASNFTDCKZKHJSW-REOHCLBHSA-N

Safety Phrases

Classification: Not WHMIS controlled.

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.

Hazard statements:

H302 + H312 Harmful if swallowed or in contact with skin

H332 Harmful if inhaled.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P322 Specific measures (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

Quisqualic Acid (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-418)

Biological Description

Alternative Names

(L)-(+)-?-Amino-3,5-dioxo-1,2,4-oxadiazolidine-2-propanoic acid

Research Areas

AMPA Receptors, Glutamate Receptors, Ion Channels, Neuroscience, Neurotransmitter Receptors

PubChem ID

40539

Scientific Background

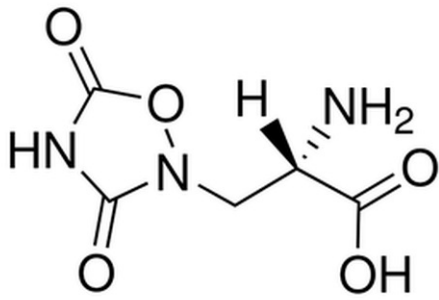
Quisqualic acid is a glutamate receptor and AMPA ionotropic receptors agonist. It is also known to sensitize neurons in hippocampus to depolarization by L-AP6.

References

1. Schulte M., Roon R., Chalmers D., Sunter D., & Koerner J. (1994) Brain Res. 203-7.
 2. Schoepp D., & Conn P. (1993) Trends Pharmacol Sci. 13-20.
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Product Images

Chemical structure of Quisqualic Acid (SIH-418), a Glutamate receptor agonist. CAS #: 52809-07-1. Molecular Formula: C₅H₇N₃O₅. Molecular Weight: 189.13 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.