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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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

D-LAP5

NMDA receptor antagonist
Catalog No. SIH-413



Discovery through partnership | Excellence through quality

Overview

Product Name

D-LAP5

Description

NMDA receptor antagonist

Purity

>99.0

CAS No.

76326-31-3

Molecular Formula

CH₁₁NO₅P

Molecular Weight

197.13

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Antagonist

Solubility

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

Source

Synthetic

Appearance

White solid

SMILES

C([P](O)(O)=O)CCC(C(O)=O)N

InChI

InChI=1S/C5H12NO5P/c6-4(5(7)8)2-1-3-12(9,10)11/h4H,1-3,6H2,(H,7,8)(H2,9,10,11)

InChIKey

VOROEQBFPIACJ-UHFFFAOYSA-N

Safety Phrases

Classification: D2B Toxic Material Causing Other Toxic Effects, Moderate skin irritant, Moderate respiratory irritant, Moderate eye irritant

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:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

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

P264 Wash skin thoroughly after handling.

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

P280 Wear protective gloves/ eye protection/ face protection.

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.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Cite This Product

D-LAP5 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-413)

Biological Description

Alternative Names

DL-amino-5-phosphonopentaic acid

Research Areas

Glutamate Receptors, Ion Channels, Neuroscience, Neurotransmitter Receptors, NMDA Receptors

PubChem ID

1216

Scientific Background

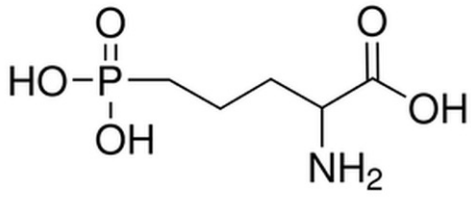
DLAP5 is a racemic mixture. It is used widely as a potent and selective NMDA receptor antagonist. It represents the active enantiomer form of AP5 (2-amino-5-phosphonopentanoic acid).

References

1. Davies J., & Watkins J. (1982) Brain Res. 378-86.
 2. Schulte M., Roon R., Chalmers D., Sunter D., & Koerner J. (1994) Brain Res. 203-7.
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Product Images

Chemical structure of D-LAP5 (SIH-413), a Glutamate-NMDA receptor antagonist. CAS #: 76326-31-3. Molecular Formula: C₅H₁₂NO₅P. Molecular Weight: 197.13 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.