

Certificate of Analysis

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Product Name: LY 235959

Catalog No.: 1019

Batch No.: 1

CAS Number: 137433-06-8

IUPAC Name: [3S-(3 α ,4 $\alpha\alpha$,6 β ,8 $\alpha\alpha$)]-Decahydro-6-(phosphonomethyl)-3-isoquinolinecarboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₂₀NO₅P·½H₂O

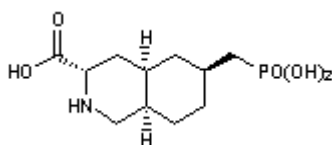
Batch Molecular Weight: 286.27

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Desiccate at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Pyridine:Acetic acid:Water:Butanol [3:8:11:14])

Melting Point: Between 295 - 297°C

¹H NMR: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen			
Theoretical	46.15	7.39	4.89	0 0 0
Found	45.85	7.42	4.75	0 0 0

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Description:

Competitive NMDA receptor antagonist.

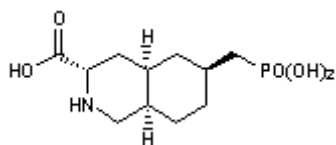
Physical and Chemical Properties:

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Storage: Desiccate at +4°C

Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Ellison (1994) Competitive and non-competitive NMDA antagonists induce similar limbic degeneration. *Neuroreport* **5** 2688. PMID: 7696633.

Borowicz et al (1996) Competitive NMDA-receptor antagonists, LY 235959 and LY 233053, enhance the protective efficacy of various antiepileptic drugs against maximal electroshock-induced seizures in mice. *Epilepsia* **37** 618. PMID: 8681893.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956