

Certificate of Analysis

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Product Name: (±)-LY 395756

Catalog No.: 3272

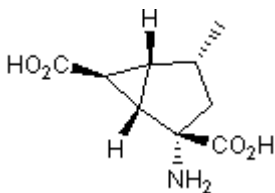
Batch No.: 2

CAS Number: 852679-66-4

IUPAC Name: (1S,2S,4R,5R,6S)-rel-2-Amino-4-methylbicyclo[3.1.0]hexane-2,6-dicarboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₉H₁₃NO₄
Batch Molecular Weight: 199.21
Physical Appearance: White solid
Solubility: 1eq. HCl to 100 mM
 1eq. NaOH to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.26	6.58	7.03
Found	54.34	6.54	7.06

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Selective metabotropic glutamate ligand for mGlu₂ and mGlu₃ receptors (K_i values are 0.165 μM and 0.302 μM respectively). Acts as an agonist at mGlu₂ and antagonist at mGlu₃. Analog of LY 354740 (Cat. No. 3246).

Physical and Chemical Properties:

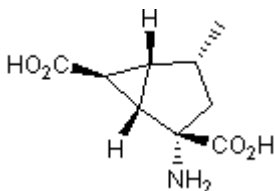
Batch Molecular Formula: C₉H₁₃NO₄

Batch Molecular Weight: 199.21

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

1eq. HCl to 100 mM
1eq. NaOH 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:

Dominguez et al (2005) Methyl substitution of 2-aminobicyclo[3.1.0]hexane 2,6-dicarboxylate (LY354740) determines functional activity at metabotropic glutamate receptors: identification of a subtype selective mGlu2 receptor agonist. *J.Med.Chem.* **48** 3605. PMID: 15887967.

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