

Certificate of Analysis

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Product Name: LY 379268 disodium salt

Catalog No.: 5064

Batch No.: 6

IUPAC Name: (1*R*,4*R*,5*S*,6*R*)-4-Amino-2-oxabicyclo[3.1.0]hexane-4,6-dicarboxylic acid disodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₇NNa₂O₅·H₂O

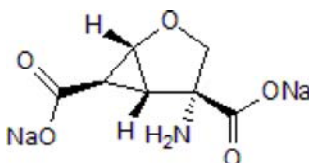
Batch Molecular Weight: 249.13

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 33.75 | 3.64 | 5.62 |
| Found | 33.79 | 3.65 | 5.61 |

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

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Description:

Sodium salt of LY 379268 (Cat. No. 2453), a highly selective group II mGlu receptor agonist.

Physical and Chemical Properties:

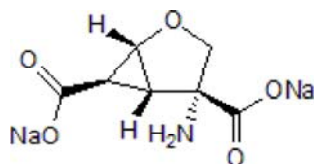
Batch Molecular Formula: C₇H₇NNa₂O₅.H₂O

Batch Molecular Weight: 249.13

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Desiccate at RT. This product is packaged under an inert atmosphere.

Solubility & Usage Info:

water to 100 mM

Standard retail vials are prepared by lyophilisation. The product may appear as a solid, a gel or a film. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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:

Collado et al (2002) (2S,1'S,2'S,3'R)-2-(2'-carboxy-3'-methylcyclopropyl) glycine is a potent and selective metabotropic group 2 agonist with anxiolytic properties. *J.Med.Chem.* **45** 3619. PMID: 12166935.

Bond et al (2000) Neuroprotective effects of LY379268, a selective mGlu2/3 receptor agonist: investigations into possible mechanisms of action in vivo. *J.Pharmacol.Exp.Ther.* **294** 800. PMID: 10945827.

Bond et al (1999) LY379268, a potent and selective group II metabotropic glutamate receptor agonist, is neuroprotective in gerbil global, but not focal cerebral ischaemia. *Neurosci.Lett.* **273**. PMID: 10515191.

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