

**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:** C<sub>7</sub>H<sub>7</sub>NNa<sub>2</sub>O<sub>5</sub>·H<sub>2</sub>O

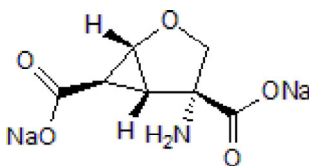
**Batch Molecular Weight:** 249.13

**Physical Appearance:** White solid

**Solubility:** water to 100 mM

**Storage:** Desiccate at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.6% purity

**<sup>1</sup>H 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

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

**Description:**

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

**Physical and Chemical Properties:**

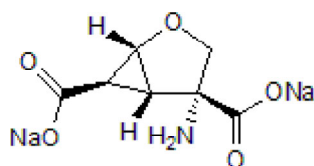
Batch Molecular Formula: C<sub>7</sub>H<sub>7</sub>NNa<sub>2</sub>O<sub>5</sub>·H<sub>2</sub>O

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

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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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