

**Product Name:** AIDA

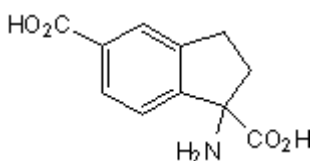
**Catalog No.:** 0904 **Batch No.:** 25

**CAS Number:** 168560-79-0

**IUPAC Name:** (RS)-1-Aminoindan-1,5-dicarboxylic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>11</sub>H<sub>11</sub>NO<sub>4</sub>  
**Batch Molecular Weight:** 221.21  
**Physical Appearance:** white solid  
**Solubility:** 1.1eq. NaOH to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.33 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])  
**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.73	5.01	6.33
Found	59.43	5.19	6.55

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**Description:**

A relatively potent and selective antagonist of group I metabotropic glutamate receptors (mGlu<sub>1a</sub>), having no effect on group II (mGlu<sub>2</sub>) or group III (mGlu<sub>4</sub>) receptors expressed individually in baby hamster kidney cells. Has no effect on ionotropic glutamate receptors. Centrally active following systemic administration in vivo.

**Physical and Chemical Properties:**

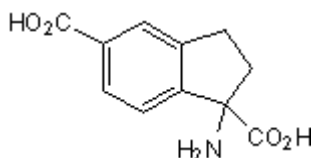
Batch Molecular Formula: C<sub>11</sub>H<sub>11</sub>NO<sub>4</sub>

Batch Molecular Weight: 221.21

Physical Appearance: white solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

1.1eq. 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:**

**Pellicciari et al** (1995) 1-Aminoindan-1,5-dicarboxylic acid: a novel antagonist at phospholipase C-linked metabotropic glutamate receptors. *J.Med.Chem.* **38** 3717. PMID: 7562903.

**Moroni et al** (1997) Pharmacological characterization of 1-aminoindan-1,5-dicarboxylic acid, a potent mGluR1 antagonist. *J.Pharmacol.Exp.Ther.* **281** 721. PMID: 9152378.

**Nielsen et al** (1997) Class I mGlu receptor antagonist 1-aminoindan-1,5-dicarboxylic acid blocks contextual but not cue conditioning in rats. *Eur.J.Pharmacol.* **326** 105. PMID: 9196260.

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USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373  
[www.RnDSystems.com](http://www.RnDSystems.com)

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