

Certificate of Analysis

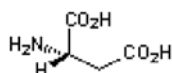
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Product Name: L-Aspartic acid
CAS Number: 56-84-8
IUPAC Name: L-Aminosuccinic acid

Catalog No.: 0214 **Batch No.:** 11
EC Number: 200-291-6

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄H₇NO₄
Batch Molecular Weight: 133.1
Physical Appearance: White solid
Solubility: 1eq. NaOH to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

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

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Product Name: L-Aspartic acid

CAS Number: 56-84-8

IUPAC Name: L-Aminosuccinic acid

Catalog No.: 0214

Batch No.: 11

EC Number: 200-291-6

Description:

Endogenous NMDA receptor agonist. D-isomer also available.

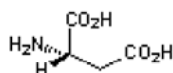
Physical and Chemical Properties:

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Physical Appearance: White solid

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Storage: Store at RT

Solubility & Usage Info:

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:

Olverman *et al* (1988) Structure/activity relations of *N-methyl-D-aspartate* receptor ligands as studied by their inhibition of [³H]D2-amino-5-phosphonopentanoic acid binding in rat brain membranes. *Neuroscience* **26** 17. PMID: 2901691.

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