1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_4\text{H}_7\text{NO}_4 \)
Batch Molecular Weight: 133.1
Physical Appearance: White solid
Solubility: 1eq. NaOH to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

\(^1\text{H NMR:}\) Consistent with structure
Product Name: D-Aspartic acid

CAS Number: 1783-96-6

IUPAC Name: D-Aminosuccinic acid

Catalog No.: 0213

Batch No.: 10

EC Number: 217-234-6

Description:
Endogenous NMDA receptor agonist with similar activity to the L-isomer (L-aspartic acid, Cat. No. 0214). Also a non-metabolizable substrate for EAA uptake systems. Modulates melatonin synthesis in the pineal gland.

Physical and Chemical Properties:
Batch Molecular Formula: C₄H₇NO₄
Batch Molecular Weight: 133.1
Physical Appearance: White solid

Batch Molecular Structure:

\[
\text{H}_3\text{N} \quad \text{H} \quad \text{H} \quad \text{CO}_2\text{H}
\]

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:
