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DATASHEET

D-Aspartic acid

Product overview

Name D-Aspartic acid Cat No HB0230 **Biological action** Agonist >98% **Purity**

Description NMDA receptor agonist

Images



Biological Data

Biological description

NMDA receptor agonist. Also inhibits norepinephrine-dependent melatonin synthesis. Displays similar activity to L-aspartic acid. Also acts as an endogenous neurotransmitter. Plays role in testosterone and luteinising hormone synthesis and release.

Solubility & Handling

Solubility overview Storage instructions Storage of solutions

Shipping Conditions

Important

Soluble in 0.1M NaOH (100mM)

Room temperature

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name Molecular Weight **Chemical structure** D-Aminosuccinic acid

_CO₂H

Molecular Formula **CAS Number**

C₄H₇NO₄ 1783-96-6

PubChem identifier SMILES InChi InChiKey MDL number

C([C@H](C(=O)O)N)C(=O)O

InChI=1S/C4H7NO4/c5-2(4(8)9)1-3(6)7/h2H,1,5H2,(H,6,7)(H,8,9)/t2-/m1/s1 CKLJMWTZIZZHCS-UWTATZPHSA-N

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