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DATASHEET

D-Aspartic acid

Product overview

Name	D-Aspartic acid
Cat No	HB0230
Biological action	Agonist
Purity	>98%
Description	NMDA receptor agonist

Images



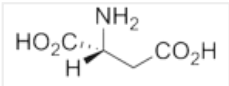
Biological Data

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.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in 0.1M NaOH (100mM)
Important	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	D-Aminosuccinic acid
Molecular Weight	133.1
Chemical structure	 The chemical structure shows a four-carbon chain. The first carbon is part of a carboxylic acid group (HO2C-). The second carbon is a chiral center with an amino group (NH2) pointing up and a hydrogen atom (H) pointing down. The third carbon is a methylene group (-CH2-). The fourth carbon is part of another carboxylic acid group (-CO2H).
Molecular Formula	C ₄ H ₇ NO ₄
CAS Number	1783-96-6
PubChem identifier	83887
SMILES	C([C@H](C(=O)O)N)C(=O)O
InChi	InChI=1S/C4H7NO4/c5-2(4(8)9)1-3(6)7/h2H,1,5H2,(H,6,7)(H,8,9)/t2-m/s1

Chemical name	D-Aminosuccinic acid
InChiKey	CKLJMWZTZZHCS-UWTATZPHSA-N
MDL number	MFCD00063081
