

TECHNICAL DATA SHEET

D-Aspartic Acid

AJI92

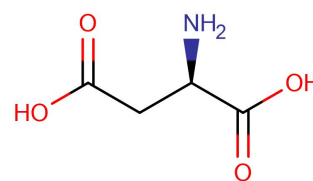
Chemical Properties

CAS No.: 1783-96-6

EINECS No.: 217-234-6

Chemical Formula: C₄H₇NO₄

Molecular Weight: 133.1



Description

D-aspartic acid is one of two forms of the amino acid aspartic acid. D-Aspartic acid is an endogenous (meaning that it is produced by the body) amino acid which has been found in the nervous and endocrine (i.e. hormone producing) tissues of both animals and humans.

Solubility

D-Aspartic acid is soluble in dilute acid and sodium hydroxide solution, insoluble in ethanol and ether.

Specification

Item	Specification	Test Method
Appearance	White crystals or crystalline powder	Visual
Assay	99.0%~101.0%	AJI92
Specific rotation [α] ²⁰ _D	-24.0°~ -26.0°	AJI92
pH	2.5~3.5	AJI92
Transmittance	Min 98.0%	AJI92
Loss on drying	Max 0.20%	AJI92
Residue on ignition	Max 0.10%	AJI92
Chloride (CL)	Max 0.02%	AJI92
Sulphates (SO ₄)	Max 0.02%	AJI92
Ammonium (NH ₄)	Max 0.02%	AJI92
Other amino acids	Meets the requirements	AJI92
Heavy metals (Pb)	Max 10ppm	AJI92
Iron (Fe)	Max 10ppm	AJI92
Arsenic (As ₂ O ₃)	Max 1ppm	AJI92

Ingredients

Pure D- Aspartic acid.

Labeling

In the United States and the European Union: D- Aspartic acid.

Applications

It plays an important role in medicine, food and so on, especially as the precursor of chiral drug synthesis and intermediate ,it has important application prospect in pharmaceutical industry.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Packaging, Storage &Shelf Life

Package	25kg/drum;or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.