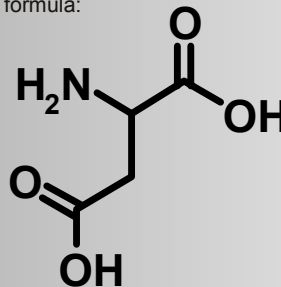


L-Aspartic Acid (L-ASP)

Formula:



Structural formula:



Mol. weight: 133.10

SYNONYMS:

CAS: L-Aminosuccinic acid
 CAS RN: L-Aspartic acid [56-84-8]
 German: L-Aminobernsteinsäure
 L-Asparaginsäure

HANDLING:

Packing: multiple paper bags of 25 kg net, big bags
 TSCA: listed

SPECIFICATION : RL-A 2210/01:

Description: white to off white powder or colourless crystals
 Identity: IR-Spectrum
 Appearance of the solution: (0.5 g in 10 ml HCl)
 Clarity: clear
 Colour: colourless (max. BG6)
 Residue on ignition: max. 0.1%
 Loss on drying (1.0 g, 4 h, 105°C): max. 0.5 %
 Specific rotation: +24.0 - +26.0
 Ammonium: max. 200 ppm
 Nitrate: max. 0.1 %
 Iron: max. 10 ppm
 Heavy metals as Pb: max. 10 ppm
 Other amino acids (TLC-ninhydrine): conforming
 Fumaric acid (TLC): max. 0.2 %
 Assay (acidimetric): 98.5 – 101.5 % (calc. on dried substance)

APPLICATIONS:

- Pharma
 (L-Arginine L-Aspartate
 L-Lysine- L-Aspartate
 L-Ornithine- L-Aspartate
 L-Aspartic acid salts [calcium, zinc, magnesium, potassium, sodium...]
 Betain aspartate
 N-Carbamoyl - L-Aspartic acid
 Ceruletid
- High - Intensity Sweeteners
 - Alitame (L-Asp + D-Alanine)
 - Aspartame (L-Asp + L-Phenylalanine)
- Optical brightener
- Feed/Food Industry
- Biodegradable Detergents
- Biodegradable Polymers
- Biodegradable Materials
 - L-Hydroxyiminodisuccinate (L-HIDS)
 - L-Iminodisuccinate (L-IDS)
 - L-Carboxyethyliminodisuccinate (L-CEIS)
 - L-Aspartic acid diacetate (L-ASDA)
 - s,s-Ethylendiaminedisuccinate (s,s-EDDS)
 - Polyaspartate (PAsp)
 - N-Acyl-L-Aspartate

REMARKS:

Quality and tests are conform with Pharm. Eur.