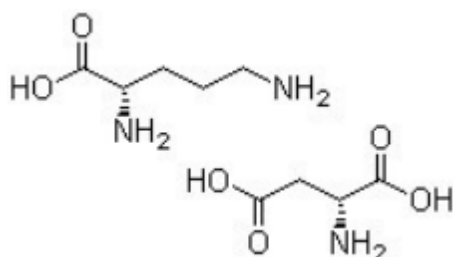


3.2.S.1.1 Nomenclature

- International nonproprietary name (INN): L-ornithine-L-aspartate
- Compendium name (DAB, Deutsches Arzneibuch): Ornithinapartat
- Chemical name: L-ornithine-L-aspartate
- Company code: L-ornithine-L-aspartate (LOA)
- IUPAC: (2S)-2-aminobutanedioic acid;(2S)-2,5-diaminopentanoic acid
- Chemical Abstracts Service (CAS) registry number: 3230-94-2

3.2.S.1.2 Structure

- Molecular structure



- Molecular Formula: $C_9H_{19}N_3O_6$
- Molecular Weight :265.26

3.2.S.1.3 General Properties

- Biological Activity: Hepatocyte recovery
- Appearance: White crystalline powder or colorless crystal
- Molecular formula: $C_9H_{19}N_3O_6$
- Formula weight: 265.26
- Solubility:
Freely soluble in water
Practically insoluble in ethanol, ether and methanol.
- Melting Point: 203.0 to 208.0 deg-C
- Specific rotation: +26.5 to +29.0 deg (C=1, 6mol/L HCl)

- pH: (25mg/mL in water)
- pKa value: 2.40 / 8.68 / 9.98 (Acid pKa1/ Base pKa2/ Base pKa 3)
- logP value: 0.14
- Hygroscopicity: non-hygroscopic