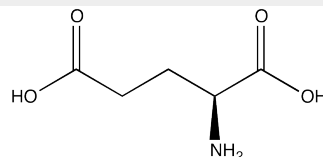


Identification

$C_5H_9NO_4$
M = 147,13 g/mol
CAS [56-86-0]
EC number: 200-293-7
Taric code: 2922 42 00



Synonyms

L-α-Aminoglutaric acid, (S)-2-Aminopentanedioic acid

Applications

in biochemistry, in food industry, in pharma industry.

Specifications

assay (acidimetric, referred to dried sample).....98,5 - 100,5 %
Identification IR..... passes test
Identification C (EP)..... passes test
Identification D (EP)..... passes test
appearance of solution.....clear and colourless
specific rotation ($[\alpha]_D^{20}$ /D, c = 10, HCl 1M, on dried sample)+ 30,5 ° - + 32,5 °

chlorides (Cl).....max. 200 ppm
sulfates (SO_4).....max. 300 ppm
ammonium (NH_4).....max. 200 ppm
iron (Fe).....max. 10 ppm
ninhydrin-positive substances.....passes test
residue on ignition.....max. 0,1 %
loss on drying (105 °C).....max. 0,5 %

Physical data

- Appearance: lumpy powder, white
- Spec. Density: 1,54 g/cm³
- Bulk density: 460 kg/m³
- Solub. in water: (25 °C): ~ 11,1 g/l
- Melting point: 160 °C
- pH(5 g/l H₂O, 20 °C) 3,0 - 3,5

Transport/storage

- 5°C - 30°C