

## Identification

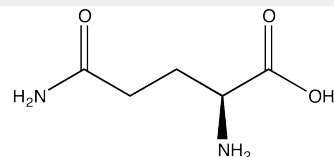
 $C_5H_{10}N_2O_3$ 

M = 146,15 g/mol

CAS [56-85-9]

EC number: 200-292-1

Taric code: 2924 19 00



## Synonyms

L-Glutamic acid-5-amide

## Applications

in biochemistry, analytical chemistry, for pharmaceuticals synthesizing, synthesis of organic products, in pharma industry.

## Specifications

|                                                                                      |                   |                                                          |
|--------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|
| assay (titration with HClO <sub>4</sub> , referred to dried sample)<br>%             | 98,5 - 101,5      | sulfates (SO <sub>4</sub> ).....max. 0,03 %              |
| identity (IR-spectrum).....                                                          | passes test       | iron (Fe).....max. 30 ppm                                |
| specific rotation ([α] <sub>20</sub> <sup>o</sup> / D, c = 4, H <sub>2</sub> O)..... | + 6,3 ° - + 7,3 ° | residue on ignition (as SO <sub>4</sub> ).....max. 0,3 % |
| chlorides (Cl).....                                                                  | max. 0,05 %       | loss on drying (105 °C, 3 h).....max. 0,3 %              |
|                                                                                      |                   | related substances (TLC).....max. 0,5 %                  |

## Physical data

- Bulk density: ~ 640 kg/m<sup>3</sup>
- Solub. in water: (18 °C): 26 g/l
- Melting point: 185 - 186 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) 4,5 - 5,5

## Transport/storage

- 5 °C - 30 °C