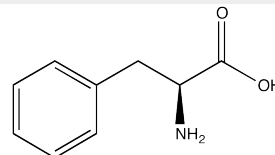


Identification

$C_9H_9NO_2$
M = 165,19 g/mol
CAS [63-91-2]
EC number: 200-568-1
Taric code: 2922 49 95



Synonyms

a-Amino-b-phenyl propionic acid

Applications

in biochemistry, cosmetics, for pharmaceuticals synthesizing, for pharmaceuticals synthesizing, in pharma industry.

Specifications

assay (titration with $HClO_4$, on dried sample) 98,5 - 101,0 %
Identification IR..... passes test
Identification TLC..... passes test
Identification D (EP)..... passes test
appearance of solution..... passes test
pH (1 %, H_2O)..... 5,4 - 6,0
specific rotation ($[a]_{20}^{D}$, c = 2, H_2O)-34,7 ° - -33,0 °
chlorides (Cl)..... max. 200 ppm
sulfates (SO_4)..... max. 300 ppm

ammonium (NH_4).....max. 0,02 %
iron (Fe)..... max. 10 ppm
ninhydrin-positive substances:
any ninhydrin-positive substances.....max. 0,2 %
total max. 0,5 %
Related compounds:
any individual impurity.....max. 0,5 %
total max. 2,0 %
residue on ignition.....max. 0,1 %
loss on drying (105 °C)..... max. 0,5 %

Physical data

- Bulk density: ~ 580 kg/m³
- Solub. in water: (20 °C): 27 g/l
- Melting point: 275 - 283 °C (decomposes)
- pH(10 g/l H_2O , 20 °C) 5,8

Transport/storage

- 5°C - 30°C