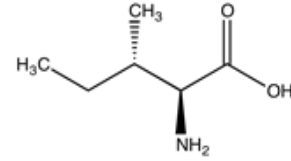


Identification

$C_6H_{13}NO_2$
 M = 131,18 g/mol
 CAS [73-32-5]
 EC number: 200-798-2
 Taric code: 2922 49 95


Synonyms

Ile, 2-Amino-3-methylvaleric acid, (2S,3S)-2-Amino-3-methylpentanoic acid

Applications

synthesis of organic products, for pharmaceuticals synthesizing, in food industry.

Specifications

assay (titr. with HClO ₄ , referred to dried sample)	98,5 - 101,0 %	pH (1 %, H ₂ O).....	5,5 - 7,0
identification.....	passes test	chlorides (Cl).....	max. 200 ppm
appearance of solution.....	passes test	sulfates (SO ₄).....	max. 300 ppm
specific rotation ([α] ₂₀ ^o /D, c = 4, HCl 250g/l, on dried sample).....	+ 40,0 ° - + 43,0 °	ammonium (NH ₄).....	max. 0,02 %
specific rotation ([α] ₂₅ ^o /D; c=4, HCl 6N).....	+ 38,9 ° - + 41,8 °	iron (Fe).....	max. 10 ppm
		ninhydrin-positive substances.....	passes test
		residue on ignition.....	max. 0,3 %
		loss on drying (105 °C, 3 h).....	max. 0,5 %

Physical data

- Bulk density: ~ 470 kg/m³
- Solub. in water: (20 °C): 32,1 g/l
- Melting point: 279 - 280 °C (decomposes)
- pH(40 g/l H₂O, 20 °C) ~ 5,5 - 6,5

Transport/storage

- 5°C - 30°C