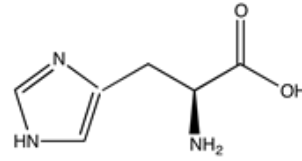


Identification

$C_6H_9N_3O_2$
M = 155,16 g/mol
CAS [71-00-1]
EC number: 200-745-3
Taric code: 2933 21 00

**Synonyms**

L-3-Imidazol-4-alanine

Applications

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

Specifications

assay EP (acidimetric)	98,5 - 101,0	chlorides (Cl).....	max. 200 ppm
assay USP (acidimetric, on dried sample).....	98,5 - 101,5	iron (Fe).....	max. 10 ppm
Identification IR.....	passes test	sulfates (SO ₄).....	max. 300 ppm
Identification TLC.....	passes test	Related compounds:	
Identification D (EP).....	passes test	individual impurity	max. 0,5 %
appearance of solution.....	passes test	total impurities.....	max. 2,0 %
specific rotation (EP; 25°C/D) (dried substance) + 11,4° to + 12,4°		ninhydrin-positive substances.....	
specific rotation (USP; 25°C/D)	+ 12,6° to + 14,0°	each	max. 0,2 %
pH	7,0 - 8,5	total	max. 0,5 %
ammonium (NH ₄).....	passes test	loss on drying (105 °C).....	max. 0,2 %
		residue on ignition.....	max. 0,1 %

Physical data

- Bulk density: ~ 430 kg/m³
- Solub. in water: (20 °C): 38,2 g/l
- Melting point: 272 - 273 °C (decomposes)
- pH(10 g/l H₂O, 20 °C) ~ 7,7

Transport/storage

- 5°C - 30°C