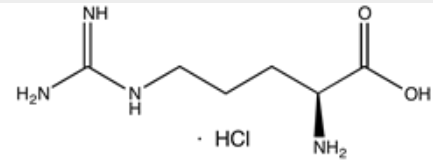


**Identification**

$C_6H_{14}N_4O_2 \cdot HCl$   
 M = 210,86 g/mol  
 CAS [1119-34-2]  
 EC number: 214-275-1  
 Taric code: 2925 29 00


**Synonyms**

$\alpha$ -Amino- $\delta$ -guanidino valerianic acid hydrochloride

**Applications**

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

**Specifications**

assay (titr. with HClO <sub>4</sub> , referred to dried sample) .....	98,5 - 101,0 %	specific rotation ( $[\alpha]_{20}^D$ , c = 8, HCl 6N).....	+ 21,4 ° - + 23,6 °
chloride content.....	16,5 - 17,1 %	sulfates (SO <sub>4</sub> ).....	max. 300 ppm
identification.....	passes test	ammonium (NH <sub>4</sub> ).....	max. 0,02 %
appearance of solution.....	passes test	iron (Fe).....	max. 10 ppm
specific rotation ( $[\alpha]_{20}^D$ , c = 8, HCl 250g/l on dried substance).....	+ 21,0 ° - + 23,5 °	ninhydrin-positive substances.....	max. 0,5 %
		residue on ignition.....	max. 0,1 %
		loss on drying (105 °C).....	max. 0,2 %

**Physical data**

- Appearance: crystals, white or almost white
- Spec. Density: 1,42 g/cm<sup>3</sup>
- Bulk density: ~ 1250 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 730 g/l
- Melting point: 218 - 220 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 20 °C) 5,7

**Transport/storage**

- 5°C - 30°C