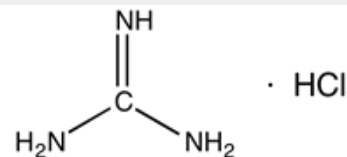


Identification

$\text{CH}_5\text{N}_3 \cdot \text{HCl}$
 M = 95,53 g/mol
 CAS [50-01-1]
 EC number: 200-002-3
 Taric code: 2925 29 00


Synonyms

Guanidinium chloride, Aminomethanamidine hydrochloride, Carbamidine hydrochloride

Applications

synthesis of organic products, in biochemistry, for pharmaceuticals synthesizing.

Specifications

assay (titration with HClO_4).....	min. 99,5 %	0,1 M in a 1 cm cell at 280 nm.....	max. 0,010 AU
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
pH (10 %, H_2O).....	5,5 - 6,5	iron (Fe).....	max. 5 ppm
absorbance of an aqueous solution		residue on ignition (600 °C).....	max. 0,05 %
0,1 M in a 1 cm cell at 260 nm.....	max. 0,050 AU	water (K.F.).....	max. 1 %
absorbance of an aqueous solution		DNases, RNases, Proteases	non detected

Physical data

- Spec. Density: (25 °C) 1,34 g/cm³
- Bulk density: ~ 550 - 620 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 185 °C
- pH(100 g/l H_2O , 20 °C) 4,5 - 5,5
- Hygroscopic

Safety - GHS

Signal Word: Warning


Hazard Statements:

- H302: Harmful if swallowed.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.

Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321: Specific treatment (see on this label).
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P332+P313: If skin irritation occurs: Get medical advice / attention.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 5°C - 30°C