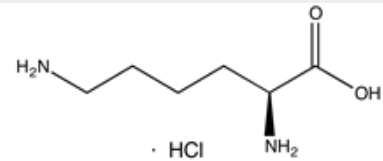


L-Lysine monohydrochloride, EssentQ®

Identification

$C_6H_{14}N_2O_2 \cdot HCl$
M = 182,65 g/mol
CAS [657-27-2]
EC number: 211-519-9
Taric code: 2922 41 00

**Synonyms**

L-(+)-2,6-Diamino-N-caproic acid monohydrochloride

Applications

in biochemistry, in food industry, synthesis of organic products.

Specifications

assay (titr. with $HClO_4$) min. 99 %
identity (IR-spectrum)..... passes test
specific rotation ($[\alpha]_{20}^{D}$, c = 8, HCl

6 mol/l) + 20,5° - + 21,5°
heavy metals (as Pb)..... max. 0,001 %
other ninhydrin positive substances
(as glycine)..... max. 0,1 %

Physical data

- Appearance: granulated powder , white or almost white
- Bulk density: ~ 360 kg/m³
- Solub. in water: (20 °C): 420 g/l
- Melting point: 263 - 264 °C
- pH(100 g/l H₂O, 20 °C) 5,5 - 6,0

Transport/storage

- 10°C - 30°C