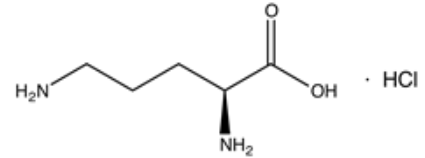


Identification

$C_5H_{12}N_2O_2 \cdot HCl$
M = 168,62 g/mol
CAS [3184-13-2]
EC number: 221-678-6
Taric code: 2922 49 95

**Synonyms**

L(+)-2,5-Diaminovaleric acid hydrochloride

Applications

analytical chemistry, for pharmaceuticals synthesizing, in biochemistry.

Specifications

assay (titration with $HClO_4$)..... min. 99 %
identity (IR-spectrum)..... passes test
specific rotation ($[\alpha]_{20}^{D}$, c = 5,
HCl 1 mol/l)..... + 22 - + 23 °

other ninhydrin positive substances (as
glycine).....max. 0,1 %
other aminoacids.....max. 0,3 %
ammonium (NH_4).....max. 0,01 %
heavy metals (as Pb)..... max. 0,001 %

Physical data

- Bulk density: ~ 470 kg/m³
- Solub. in water: (20 °C): 100 g/l
- Melting point: 245 °C

Transport/storage

- 5°C - 30°C