

L-lysine monohydrochloride

Inchi:	InChI=1S/C6H14N2O2.ClH/c7-4-2-1-3-5(8)6(9)10;/h5H,1-4,7-8H2,(H,9,10);1H/t5-;/m1./s
InchiKey:	BVHLGVCQOALMSV-NUBCRITNSA-N
Formula:	C6H15ClN2O2
SMILES:	NCCCCC([NH3+])C(=O)O.[Cl-]
Mol. weight [g/mol]:	182.65

Physical Properties

Property code	Value	Unit	Source
tf	536.15	K	Solubility of L-Lysine Hydrochloride in Dimethyl Sulfoxide, Methanol, Ethanol, Water, and Glycol between (283 and 323) K

Sources

Interactions of some amino acids and glycine peptides with aqueous sodium chloride. Behavior on Interactions of alpha-Amino Acids with Sodium Acetate. Measurements and Correlation of the Solubility of alpha-Diarylamino Acids Hydrochloride in Acetone, Methanol, Dimethyl Sulfoxide, Methanol, Ethanol, Water, and Glycol between (283 and 323) K.	https://www.doi.org/10.1016/j.jct.2003.09.010
Viscosity Behavior of alpha-Amino Acids in Acetate Salt Solutions at Temperatures (303.15 to 323.15) K:	https://www.doi.org/10.1021/je100190e
	https://www.doi.org/10.1021/je300173v
	https://www.doi.org/10.1021/je900022k
	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6005817&Units=SI
	https://www.doi.org/10.1007/s10765-011-1111-y

Legend

tf: Normal melting (fusion) point

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