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./s1
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

Solubility of l-Lysine Hydrochloride in Dimethyl Sulfoxide, Methanol, Ethanol, Water, and Glycol between (283 and 323) K:	https://www.doi.org/10.1021/je900022k
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6005817&Units=SI
Viscosity Behavior of alpha-Amino Acids in Acetate Salt Solutions at Temperatures (308.15 to 323.15) K:	https://www.doi.org/10.1007/s10765-011-1111-y
Interactions of some amino acids and glycine peptideswith aqueous sodium dodecyl sulfate and cetyltrimethylammonium bromide at T/K = 298.15 K: a volumetric approach:	https://www.doi.org/10.1016/j.jct.2003.09.010
Volumetric Behavior on Interactions of a-Amino Acids with Sodium Acetate, Potassium Acetate, and Calcium Acetate in Aqueous Solutions:	https://www.doi.org/10.1021/je100190e
Measurement and Correlation of the Solubility of 2,6-Diaminohexanoic Acid Hydrochloride in Aqueous Methanol and Aqueous Ethanol Mixtures:	https://www.doi.org/10.1021/je300173v

Legend

tf: Normal melting (fusion) point

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