Acetic acid, lithium salt

Other names:	lithium acetate
	lithium ethanoate
Inchi:	InChI=1S/C2H4O2.Li/c1-2(3)4;/h1H3,(H,3,4);/q;+1/p-1
InchiKey:	XIXADJRWDQXREU-UHFFFAOYSA-M
Formula:	C2H3LiO2
SMILES:	CC(=O)[O-].[Li]
Mol. weight [g/mol]:	65.98
CAS:	546-89-4

Physical Properties

Property code	Value	Unit	Source
hfus	12.60	kJ/mol	Enthalpies of formation and lattice enthalpies of alkaline metal acetates
tf	556.25	K	Lithium C1-C12 n-Alkanoates: Thermal behavior from -30C to 600C

Sources

Salt influence on MIBK/water liquid-liquid equilibrium: Measuring and modeling with ePC-SAFT and COSMO-RS:	https://www.doi.org/10.1016/j.fluid.2015.11.018
Influence of electrolytes on liquid-liquid equilibria of water/1-butanol and on the partitioning of 5-hydroxymethylfurfural in water/1-butanol:	https://www.doi.org/10.1016/j.fluid.2016.05.001
Enthalpies of formation and lattice enthalpies of alkaline metal acetates:	https://www.doi.org/10.1016/j.tca.2004.11.004
Lithium C1-C12 n-Alkanoates: Thermal behavior from -30C to 600C:	https://www.doi.org/10.1021/je400054m
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C546894&Units=SI
Ion association and solvation behavior of some alkali metal acetates in aqueous 2-butanol solutions at T = 298.15, 308.15 and 318.15 K:	https://www.doi.org/10.1016/j.fluid.2011.05.017
Conductivity is a countinuance to explore ion-pair and triple-ion structure of ethanoates in tetrahydrofuran, dimethyl sulfoxide and their binaries:	https://www.doi.org/10.1016/j.fluid.2012.02.013

Legend

hfus:	Enthalpy of fusion at standard conditions
tf:	Normal melting (fusion) point