Acetic acid, lithium salt, dihydrate

Other names:	lithium acetate dihydrate
	lithium ethanoate dihydrate
Inchi:	InChI=1S/C2H4O2.Li.2H2O/c1-2(3)4;;;/h1H3,(H,3,4);;2*1H2/q;+1;;/p-1
InchiKey:	IAQLJCYTGRMXMA-UHFFFAOYSA-M
Formula:	C2H3LiO2.H4O2
SMILES:	CC(=O)[O-].O.O.[Li+]
Mol. weight [g/mol]:	102.02
CAS:	6108-17-4

Physical Properties

Property code	Value	Unit	Source
tf	557.00 ± 1.00	K	NIST Webbook
tt	12.00	K	Low-temperature structural phase transition in deuterated and protonated lithium acetate dihydrate

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	169.70	J/mol×K	298.15	NIST Webbook

Sources

Low-temperature structural phase transition in deuterated and protonated lithium acetate dihydrate :	https://www.doi.org/10.1016/j.jct.2010.03.006
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6108174&Units=SI

Legend

cps:	Solid phase heat capacity
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature