lithium iodide

Inchi:	InChI=1S/HI.Li/h1H;/q;+1/p-1
InchiKey:	HSZCZNFXUDYRKD-UHFFFAOYSA-M
Formula:	ILi
SMILES:	[I-].[Li+]
Mol. weight [g/mol]:	133.84
CAS:	10377-51-2

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.75421e+01
Coeff. B	-1.71770e+04
Coeff. C	-1.17900e+02
Temperature range (K), min.	996.15
Temperature range (K), max.	1447.00

Sources

Measuring and modeling aqueous electrolyte/amino-acid solutions with ePC-SAFT:	https://www.doi.org/10.1016/j.jct.2013.08.018
Temperature Dependence of the Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je500420g
Ionic interplay of lithium salts in binary mixtures of acetonitrile and diethyl carbonate probed by physicochemical approach:	https://www.doi.org/10.1016/j.fluid.2013.08.022
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10377512&Units=SI
Viscosities of aqueous LiI solutions at 293 525K and 0.1 40MPa:	https://www.doi.org/10.1016/j.tca.2005.08.036
Conductometric study of some alkali metal halides in (dimethyl sulfoxide + acetonitrile) at TF=298.15 K:	https://www.doi.org/10.1016/j.jct.2009.03.005
Densities and apparent molar volumes of aqueous LiI solutions at temperatures from (295 to 600) K and at pressures up to 30 MPa:	https://www.doi.org/10.1016/j.jct.2004.06.001
Physics and Chemistry of Lithium Halides in 1,3-Dioxolane and Its Binary Mixtures with Acetonitrile Probed by Conductometric, Volumetric, Viscometric, Refractometric and DFT/SIL Study:	https://www.doi.org/10.1016/j.tca.2012.08.009
Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je5009944
Ion-Solvent Interactions of Some Halides of Common Cations with Organic Solvent Mixtures by Conductometric, Volumetric, Viscometric, and Refractometric Techniques:	https://www.doi.org/10.1021/je900656c
Density of ethanolic alkali halide salt solutions by experiment and molecular simulation:	https://www.doi.org/10.1016/j.fluid.2015.08.005
Electrical Conductivity of Lithium Chloride, Lithium Bromide, and Lithium Iodide Electrolytes in Methanol, Water, and Their Binary Mixtures:	https://www.doi.org/10.1021/acs.jced.9b00405

Legend

pvap: Vapor pressure