

LiOH

Other names:	Lithium hydroxide monohydrate lithium hydroxide
Inchi:	InChI=1S/Li.H2O/h;1H2/q+1;/p-1
InchiKey:	WMFOQBRAJBCJND-UHFFFAOYSA-M
Formula:	HLiO
SMILES:	[Li][OH]
Mol. weight [g/mol]:	23.95

Physical Properties

Property code	Value	Unit	Source
affp	1000.10	kJ/mol	NIST Webbook
basg	972.10	kJ/mol	NIST Webbook

Sources

Density, viscosity, refractive index and electrical conductivity of saturated solutions of lithium hydroxide and lithium hydroxide monohydrate at 298.15 K, and thermodynamic description of the solid phase. <https://www.doi.org/10.1016/j.fluid.2005.05.022>
Thermodynamic description of the solid phase. <https://www.doi.org/10.1016/j.tca.2005.02.027>
Solubility, Density, Viscosity, Electrical Conductivity, and Refractive Index of Saturated Solutions of Lithium Hydroxide in Water + Ethanol: Cheméo Relay (1.0): <https://www.doi.org/10.1021/je0497449>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1310663&Units=SI>

Cheméo Relay (1.0, beta):

Legend

affp: Proton affinity
basg: Gas basicity

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