

# Lithium hydroxide (Li(OH)), monohydrate

Other names:	LiOH Lithium hydroxide monohydrate lithium hydroxide
Inchi:	InChI=1S/Li.H2O/h;1H2/q+1;/p-1
InchiKey:	WMFOQBRAJBCJND-UHFFFAOYSA-M
Formula:	HLiO
SMILES:	[Li]O
Mol. weight [g/mol]:	23.95
CAS:	1310-66-3

## 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 + ethanol at 298.15 K, and thermodynamic description of the solid phase	<a href="https://www.doi.org/10.1016/j.fluid.2005.05.022">https://www.doi.org/10.1016/j.fluid.2005.05.022</a>
Thermodynamic properties of lithium hydroxide + ethanol at 298.15 K, and thermodynamic description of the solid phase	<a href="https://www.doi.org/10.1016/j.tca.2005.02.027">https://www.doi.org/10.1016/j.tca.2005.02.027</a>
Solubility, Density, Viscosity, Electrical Conductivity, and Refractive Index of Saturated Solutions of Lithium Hydroxide in Water + Ethanol:	<a href="https://www.doi.org/10.1021/je0497449">https://www.doi.org/10.1021/je0497449</a>
	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1310663&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1310663&amp;Units=SI</a>

## Legend

affp:	Proton affinity
basg:	Gas basicity

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