

lithium perchlorate

Other names:	lithium perchlorate (LiClO ₄) perchloric acid lithium salt (1:1) perchloric acid, lithium salt
Inchi:	InChI=1S/ClHO4.Li/c2-1(3,4)5;/h(H,2,3,4,5);/q;+1/p-1
InchiKey:	MHCFAGZWMAWTNR-UHFFFAOYSA-M
Formula:	ClLiO ₄
SMILES:	[Li+].[O-][Cl+3]([O-])([O-])[O-]
Mol. weight [g/mol]:	106.39
CAS:	7791-03-9

Sources

Physico-chemical exploration of solution behaviour of some metal perchlorates in N-ethyl morpholine. Study of LiClO ₄ Activity Coefficients in Aqueous of Ethanol (2003, 15, 298-315) and 308.18)	https://www.doi.org/10.1016/j.tca.2015.03.023
K: Ionic interplay of lithium salts in binary mixtures of acetonitrile and diethyl carbonate. Part I: Physicochemical approach	https://www.doi.org/10.1021/acs.jced.8b00138
Standard partial molar volumes of some electrolytes in ethylene carbonate-based mixtures and compressibilities of electrolytes and ions in gamma-butyrolactone:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7791039&Units=SI
	https://www.doi.org/10.1016/j.fluid.2013.08.022
	https://www.doi.org/10.1016/j.jct.2003.09.005
	https://www.doi.org/10.1016/j.jct.2012.05.026

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