

# Lithium sulfate

<b>Other names:</b>	dilithium sulfate monohydrate lithium mesosulfate lithium sulfate ( $\text{Li}_2\text{SO}_4$ ) monohydrate lithium sulfate monohydrate sulfuric acid, dilithium salt, monohydrate
<b>Inchi:</b>	<chem>InChI=1S/2Li.H2O4S.H2O/c;;1-5(2,3)4;/h;;(H2,1,2,3,4);1H2/q2*+1;;/p-2</chem>
<b>InchiKey:</b>	RKGLUDFWIKNKMX-UHFFFAOYSA-L
<b>Formula:</b>	$\text{H}_2\text{Li}_2\text{O}_5\text{S}$
<b>SMILES:</b>	<chem>O.O=S(=O)([O-])[O-].[Li+].[Li]</chem>
<b>Mol. weight [g/mol]:</b>	127.96

# Sources

Stable phase equilibria in the ternary system ( $\text{Na}_2\text{SO}_4 + \text{Li}_2\text{SO}_4 + \text{H}_2\text{O}$ ) at 288.15 K and 1 bar molar volumes at infinite dilution, side chain partial pressures and phase equilibrium values of aqueous ternary system  $\text{Li}_2\text{SO}_4 + \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$  in 1 molal aqueous solutions at 288.15 K,  $\text{pH}$  and  $\text{P}_{\text{CO}_2}$  values of the Aqueous Salinity System (gram of  $\text{Na}_2\text{SO}_4$ /H<sub>2</sub>O) Water-Sulfate system (g/L, Na<sub>2</sub>O) at 288.15 K and 101.325 H<sub>2</sub>O at T = 298.2 K:

- <https://www.doi.org/10.1016/j.fluid.2015.03.052>
- <https://www.doi.org/10.1021/je100703r>
- <https://www.doi.org/10.1016/j.fluid.2014.03.019>
- <https://www.doi.org/10.1021/acs.jced.9b00118>
- <https://www.doi.org/10.1021/acs.jced.8b01115>

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