

# Lithium dimer

**Inchi:** InChI=1S/2Li  
**InchiKey:** SMBQBQBNOXIFSF-UHFFFAOYSA-N  
**Formula:** Li<sub>2</sub>  
**SMILES:** [Li][Li]  
**Mol. weight [g/mol]:** 13.88  
**CAS:** 14452-59-6

## Physical Properties

Property code	Value	Unit	Source
affp	1162.00	kJ/mol	NIST Webbook
basg	1133.10	kJ/mol	NIST Webbook
ie	4.73 ± 0.05	eV	NIST Webbook
ie	5.11 ± 0.00	eV	NIST Webbook
ie	5.14	eV	NIST Webbook
ie	5.00 ± 0.30	eV	NIST Webbook
ie	5.00	eV	NIST Webbook
ie	5.11 ± 0.00	eV	NIST Webbook
ie	5.00	eV	NIST Webbook
ie	4.90 ± 0.10	eV	NIST Webbook
ie	4.90 ± 0.10	eV	NIST Webbook
ie	4.90 ± 0.10	eV	NIST Webbook
ie	5.20 ± 0.10	eV	NIST Webbook
ie	5.00 ± 0.10	eV	NIST Webbook
ie	5.17 ± 0.01	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14452596&Units=SI>

## Legend

**affp:** Proton affinity  
**basg:** Gas basicity  
**ie:** Ionization energy

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