Lithium dimer

Inchi: InChI=1S/2Li
InchiKey: SMBQBQBNOXIFSF-UHFFFAOYSA-N
Formula: Li2
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	5.00	eV	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	5.11 ± 0.00	eV	NIST Webbook
ie	5.17 ± 0.01	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

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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