

dilithium oxide

Other names:	Dilithium monoxide
Inchi:	InChI=1S/2Li.O
InchiKey:	XZIUWXMPQBQHMC-UHFFFAOYSA-N
Formula:	Li ₂ O
SMILES:	[Li]O[Li]
Mol. weight [g/mol]:	29.88
CAS:	12057-24-8

Physical Properties

Property code	Value	Unit	Source
affp	1206.00	kJ/mol	NIST Webbook
basg	1175.30	kJ/mol	NIST Webbook
ie	6.00	eV	NIST Webbook
ie	6.40 ± 0.20	eV	NIST Webbook
ie	6.19 ± 0.20	eV	NIST Webbook
ie	6.30 ± 1.00	eV	NIST Webbook
ie	7.00 ± 0.50	eV	NIST Webbook
ie	6.90 ± 0.30	eV	NIST Webbook
ie	6.80 ± 0.20	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12057248&Units=SI>

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/72-012-8/dilithium-oxide.pdf>

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