

Tellurium

Inchi: InChI=1S/Te/q-1
InchiKey: KPAKJCZNXDKDNP-UHFFFAOYSA-N
Formula: Te
SMILES: [Te-]
Mol. weight [g/mol]: 127.60
CAS: 22541-49-7

Physical Properties

Property code	Value	Unit	Source
ea	1.97	eV	NIST Webbook
ea	1.90 ± 0.20	eV	NIST Webbook
ea	1.97 ± 0.00	eV	NIST Webbook
ie	9.01	eV	NIST Webbook
ie	9.01	eV	NIST Webbook
ie	9.01	eV	NIST Webbook
ie	8.90	eV	NIST Webbook
log10ws	2.57		Crippen Method
logp	-0.381		Crippen Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C22541497&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

ea: Electron affinity
ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/48-753-3/Tellurium.pdf>

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