

Selenium dimer

Inchi: InChI=1S/Se2/c1-2
InchiKey: XIMIGUBYDJCKI-UHFFFAOYSA-N
Formula: Se2
SMILES: [Se]=[Se]
Mol. weight [g/mol]: 157.92
CAS: 12185-17-0

Physical Properties

Property code	Value	Unit	Source
ea	1.94 ± 0.07	eV	NIST Webbook
ie	8.84	eV	NIST Webbook
ie	8.88 ± 0.03	eV	NIST Webbook
ie	8.60	eV	NIST Webbook
ie	8.90 ± 0.20	eV	NIST Webbook
ie	8.70 ± 0.05	eV	NIST Webbook
ie	8.93	eV	NIST Webbook
log10ws	4.86		Crippen Method
logp	-0.762		Crippen Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12185170&Units=SI>

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/65-986-6/Selenium-dimer.pdf>

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