Selenium monohydride

Inchi: InChI=1S/HSe/h1H
InchiKey: VUGWMQXJZSOYNI-UHFFFAOYSA-N
Formula: HSe
SMILES: [SeH]
Mol. weight [g/mol]: 79.97
CAS: 13940-22-2

Physical Properties

Property code	Value	Unit	Source
ea	2.21 ± 0.00	eV	NIST Webbook
ea	2.21 ± 0.03	eV	NIST Webbook
ea	2.30	eV	NIST Webbook
hfpi	1100.00	kJ/mol	NIST Webbook
ie	9.85 ± 0.00	eV	NIST Webbook
ie	9.79	eV	NIST Webbook
log10ws	2.83		Crippen Method
logp	-0.649		Crippen Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13940222&Units=SI

Legend

ea: Electron affinity
hfpi: Enthalpy of formation of positive ion at standard conditions
ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient