

# 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/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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

Latest version available from:

<https://www.chemeo.com/cid/49-621-8/Selenium-monohydride.pdf>

Generated by Cheméo on 2024-04-23 17:00:26.517850814 +0000 UTC m=+16180875.438428129.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.