

# Arsenic monohydride

**Inchi:** InChI=1S/AsH/h1H  
**InchiKey:** UIESIEAPEWREMY-UHFFFAOYSA-N  
**Formula:** AsH  
**SMILES:** [AsH]  
**Mol. weight [g/mol]:** 75.93  
**CAS:** 12628-08-9

## Physical Properties

Property code	Value	Unit	Source
ea	1.00 ± 0.10	eV	NIST Webbook
ea	1.10	eV	NIST Webbook
ie	9.64 ± 0.01	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.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12628089&Units=SI>

## Legend

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

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<https://www.cheméo.com/cid/71-091-2/Arsenic-monohydride.pdf>

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