

# Arsine, 1,2-ethynediylbis[dimethyl-

**Other names:** Arsine, 1,2-ethynediylbis\*dimethyl-  
**Inchi:** InChI=1S/C6H12As2/c1-7(2)5-6-8(3)4/h1-4H3  
**InchiKey:** KZFVERISEXZTRD-UHFFFAOYSA-N  
**Formula:** C6H12As2  
**SMILES:** C[As](C)C#C[As](C)C  
**Mol. weight [g/mol]:** 234.00  
**CAS:** 34943-62-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.69		Crippen Method
logp	1.577		Crippen Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	357.60	K	1.90	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C34943629&Units=SI>  
**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)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

**tbrp:** Boiling point at reduced pressure

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