

Arsine, silyl-

Other names:	Silane, arsino-
Inchi:	InChI=1S/AsH5Si/c1-2/h1H2,2H3
InchiKey:	QNXQPPKJWUDNQJ-UHFFFAOYSA-N
Formula:	AsH5Si
SMILES:	[SiH3][AsH2]
Mol. weight [g/mol]:	108.05
CAS:	15455-99-9

Physical Properties

Property code	Value	Unit	Source
ie	10.10 ± 0.10	eV	NIST Webbook
log10ws	6.13		Crippen Method
logp	-2.100		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15455999&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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/71-090-3/Arsine-silyl.pdf>

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