

# Arsinic acid, dimethyl-

<b>Other names:</b>	Arsine oxide, hydroxydimethyl- Ansar 138 Arsan Cacodylic acid Dimethylarsenic acid Dimethylarsinic acid Hydroxydimethylarsine oxide Phytar 560 Silvisar 510 Acide cacodylique Acide dimethylarsinique Chexmate DMAA Phytar Rad-e-cate 35 Silvisar Arsine oxide, dimethylhydroxy- Agent blue Dilic Erase Kyselina kakodylova Phytar 138 Rcra waste number U136 Salvo UN 1572 Arsinic acid, As,As-dimethyl- NSC 103115 Sylvicor
<b>Inchi:</b>	InChI=1S/C2H7AsO2/c1-3(2,4)5/h1-2H3,(H,4,5)
<b>InchiKey:</b>	OGGXGZAMXPVRFZ-UHFFFAOYSA-N
<b>Formula:</b>	C2H7AsO2
<b>SMILES:</b>	C[As](C)(=O)O
<b>Mol. weight [g/mol]:</b>	138.00
<b>CAS:</b>	75-60-5

## Physical Properties

Property code	Value	Unit	Source
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log10ws	-2.45		Crippen Method
logp	0.111		Crippen Method
tf	472.58 ± 0.18	K	NIST Webbook
tf	473.00 ± 1.00	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	24.46	kJ/mol	470.80	NIST Webbook
hvapt	34.00	kJ/mol	287.50	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C75605&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C75605&amp;Units=SI</a>

## Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>tf:</b>	Normal melting (fusion) point

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