

Arsenic dioxide

Inchi:	InChI=1S/AsO2/c2-1-3
InchiKey:	LZYIDMKXGSDQMT-UHFFFAOYSA-N
Formula:	AsO2
SMILES:	O=[As]=O
Mol. weight [g/mol]:	106.92
CAS:	12255-12-8

Physical Properties

Property code	Value	Unit	Source
ie	10.80 ± 0.30	eV	NIST Webbook
log10ws	-6.31		Crippen Method
logp	-0.618		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12255128&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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/71-092-1/Arsenic-dioxide.pdf>

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