

Diazene, dimethyl-, 1-oxide

Other names:	Azoxymethane Methane, azoxy- AOM
Inchi:	InChI=1S/C2H6N2O/c1-3-4(2)5/h1-2H3
InchiKey:	DGAKHGXRMXWHBX-UHFFFAOYSA-N
Formula:	C2H6N2O
SMILES:	CN=[N+](C)[O-]
Mol. weight [g/mol]:	74.08
CAS:	25843-45-2

Physical Properties

Property code	Value	Unit	Source
log10ws	0.19		Crippen Method
logp	0.208		Crippen Method
mcvol	60.570	ml/mol	McGowan Method
tb	371.00	K	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25843452&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature

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<https://www.chemeo.com/cid/15-967-2/Diazene-dimethyl-1-oxide.pdf>

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