

Disilicon mononitride monoxide

Inchi:	InChI=1S/NOSi2/c1-3-2-4-1
InchiKey:	LTBAZFOZCZIHrg-UHFFFAOYSA-N
Formula:	NOSi2
SMILES:	[N+]1=[Si]O[SiH]=1
Mol. weight [g/mol]:	86.18
CAS:	12033-47-5

Physical Properties

Property code	Value	Unit	Source
ie	10.80 ± 0.50	eV	NIST Webbook
log10ws	9.79		Crippen Method
logp	-1.578		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12033475&Units=SI

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/14-105-9/Disilicon-mononitride-monoxide.pdf>

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