

Isocyano silane

Inchi: InChI=1S/CH3NSi/c1-2-3/h3H3
InchiKey: YGSZIPUVXAXCLY-UHFFFAOYSA-N
Formula: CH3NSi
SMILES: [C-]#[N+][SiH3]
Mol. weight [g/mol]: 57.13
CAS: 18081-38-4

Physical Properties

Property code	Value	Unit	Source
log10ws	0.60		Crippen Method
logp	-0.814		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	48.80	kJ/mol	278.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18081384&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hsubt: Enthalpy of sublimation at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/66-827-1/Isocyano-silane.pdf>

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