

Butanenitrile, 4-(trichlorosilyl)-

Other names:	Butyronitrile, 4-(trichlorosilyl)- «gamma»-Cyanopropyltrichlorosilane 3-Cyanopropyltrichlorosilane Trichloro(3-cyanopropyl)silane 4-(Trichlorosilyl)-butyronitrile Silane, (3-cyanopropyl)trichloro- Silane, trichloro(3-cyanopropyl)- Trichlor-3-kyanpropylsilan CC3555
Inchi:	InChI=1S/C4H6Cl3NSi/c5-9(6,7)4-2-1-3-8/h1-2,4H2
InchiKey:	HMFFOEPLYHLRQN-UHFFFAOYSA-N
Formula:	C4H6Cl3NSi
SMILES:	N#CCCC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	202.54
CAS:	1071-27-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.04		Crippen Method
logp	2.945		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	367.00	K	1.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1071278&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

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