

Bis(trimethylsilyl)trifluoroacetamide

Other names:	N,O-Bis(trimethylsilyl)trifluoroacetamide Ethanimidic acid, 2,2,2-trifluoro-N-(trimethylsilyl)-, trimethylsilyl ester BSTFA N,O-BSTFA Acetamide, 2,2,2-trifluoro-O,N-bis(trimethylsilyl)- trimethylsilyl 2,2,2-trifluoro-N-(trimethylsilyl)acetimidate
Inchi:	InChI=1S/C8H18F3NOSi2/c1-14(2,3)12-7(8(9,10)11)13-15(4,5)6/h1-6H3
InchiKey:	XCOBLONWWXQEBS-UHFFFAOYSA-N
Formula:	C8H18F3NOSi2
SMILES:	C[Si](C)(C)N=C(O[Si](C)(C)C)C(F)(F)F
Mol. weight [g/mol]:	257.40
CAS:	25561-30-2

Physical Properties

Property code	Value	Unit	Source
log10ws	1.32		Crippen Method
logp	3.634		Crippen Method
rinpol	887.00		NIST Webbook
rinpol	887.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	320.50 ± 2.50	K	2.00	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25561302&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure

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