Silanamine, 1,1,1-trimethyl-N-(phenylmethyl)-

Other names:	(benzylamino)trimethylsilane
	1,1,1-trimethyl-N-(phenylmethyl)silanamine
	Benzylamine, tms derivative
	N-(trimethylsilyl)benzylamine
	N-benzyl-1,1,1-trimethylsilanamine
	Silylamine, N-benzyl-1,1,1-trimethyl-
Inchi:	InChI=1S/C10H17NSi/c1-12(2,3)11-9-10-7-5-4-6-8-10/h4-8,11H,9H2,1-3H3
InchiKey:	OVONARZNQIKMGQ-UHFFFAOYSA-N
Formula:	C10H17NSi
SMILES:	C[Si](C)(C)NCc1ccccc1
Mol. weight [g/mol]:	179.33
CAS:	14856-79-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.85		Crippen Method
logp	2.611		Crippen Method
rinpol	1212.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	371.15	K	2.00	Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes:	https://www.doi.org/10.1016/j.tca.2015.02.004
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14856792&Units=SI

Legend

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