Silane, trimethylphenyl-

Other names:	(trimethylsilyl)benzene phenyltrimethylsilane trimethylphenylsilane
Inchi:	InChI=1S/C9H14Si/c1-10(2,3)9-7-5-4-6-8-9/h4-8H,1-3H3
InchiKey:	KXFSUVJPEQYUGN-UHFFFAOYSA-N
Formula:	C9H14Si
SMILES:	C[Si](C)(C)c1ccccc1
Mol. weight [g/mol]:	150.29
CAS:	768-32-1

Physical Properties

Property code	Value	Unit	Source
ie	9.05	eV	NIST Webbook
ie	8.40	eV	NIST Webbook
ie	8.40	eV	NIST Webbook
ie	8.79	eV	NIST Webbook
ie	8.81 ± 0.15	eV	NIST Webbook
ie	8.72 ± 0.04	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.05	eV	NIST Webbook
log10ws	-4.14		Crippen Method
logp	2.232		Crippen Method
tb	442.50 ± 0.50	K	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	329.15	K	1.87	Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes

Sources

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=C768321&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature
tbp:	Boiling point at given pressure

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