

Silane, trimethyl(phenylmethyl)-

Other names:	Silane, benzyltrimethyl- Benzyltrimethylsilane «alpha»-Trimethylsilyltoluene Trimethylbenzylsilane (Trimethylsilyl)phenylmethane
Inchi:	InChI=1S/C10H16Si/c1-11(2,3)9-10-7-5-4-6-8-10/h4-8H,9H2,1-3H3
InchiKey:	MRIWRLGWLMRJIW-UHFFFAOYSA-N
Formula:	C10H16Si
SMILES:	C[Si](C)(C)Cc1ccccc1
Mol. weight [g/mol]:	164.32
CAS:	770-09-2

Physical Properties

Property code	Value	Unit	Source
ie	7.96 ± 0.04	eV	NIST Webbook
ie	8.42	eV	NIST Webbook
ie	8.35	eV	NIST Webbook
ie	8.40	eV	NIST Webbook
ie	8.27	eV	NIST Webbook
ie	8.37	eV	NIST Webbook
log10ws	-0.67		Crippen Method
logp	3.106		Crippen Method
tb	463.50 ± 0.50	K	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C770092&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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