

Silane, dimethylphenyl-

Other names:	Dimethylphenyl silane Phenyldimethylsilane
Inchi:	InChI=1S/C8H12Si/c1-9(2)8-6-4-3-5-7-8/h3-7,9H,1-2H3
InchiKey:	ZISUALSZTAEPJH-UHFFFAOYSA-N
Formula:	C8H12Si
SMILES:	C[SiH](C)c1ccccc1
Mol. weight [g/mol]:	136.27
CAS:	766-77-8

Physical Properties

Property code	Value	Unit	Source
ie	8.92 ± 0.15	eV	NIST Webbook
log10ws	-3.50		Crippen Method
logp	1.380		Crippen Method
rinpol	946.20		NIST Webbook
tb	429.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	45.30	kJ/mol	365.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C766778&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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<https://www.chemeo.com/cid/13-551-5/Silane-dimethylphenyl.pdf>

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