Disilane, 1,1,1-trimethyl-2,2,2-triphenyl-

Other names: 1,1,1-Trimethyl-2,2,2-triphenyldisilane
Inchi: InChI=1S/C21H24Si2/c1-22(2,3)23(19-13-7-4-8-14-19,20-15-9-5-10-16-20)21-17-11-6-12
InchiKey: BSFLZHNGSJZLQC-UHFFFAOYSA-N
Formula: C21H24Si2
SMILES: C[Si](C)(C)[Si](c1ccccc1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 332.59
CAS: 1450-18-6

Physical Properties

Property code	Value	Unit	Source
ie	8.30 ± 0.15	eV	NIST Webbook
log10ws	-12.97		Crippen Method
logp	3.573		Crippen Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1450186&Units=SI

Legend

ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient