

Hexaphenyldisiloxane

Other names:	Disiloxane, hexaphenyl-Bis(triphenylsilyl)ether
Inchi:	InChI=1S/C36H30OSi2/c1-7-19-31(20-8-1)38(32-21-9-2-10-22-32,33-23-11-3-12-24-33)3
InchiKey:	IVZTVZJLMIHPEY-UHFFFAOYSA-N
Formula:	C36H30OSi2
SMILES:	c1ccc([Si](O[Si](c2ccccc2)(c2ccccc2)c2ccccc2)(c2ccccc2)c2ccccc2)cc1
Mol. weight [g/mol]:	534.79
CAS:	1829-40-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-28.57		Crippen Method
logp	4.337		Crippen Method
ss	754.40	J/molxK	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	681.00	J/molxK	298.15	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=C1829409&Units=SI

Legend

cps: Solid phase heat capacity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
ss: Solid phase molar entropy at standard conditions

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