

4-Biphenyltrimethylsiloxane

Other names:	4-Phenylphenol, trimethylsilyl ether Phenol, 4-phenyl, TMS 4-Phenylphenol, tms derivative
Inchi:	InChI=1S/C15H18OSi/c1-17(2,3)16-15-11-9-14(10-12-15)13-7-5-4-6-8-13/h4-12H,1-3H3
InchiKey:	GHGFFDRFLKHBGD-UHFFFAOYSA-N
Formula:	C15H18OSi
SMILES:	<chem>C[Si](C)(C)Oc1ccc(-c2ccccc2)cc1</chem>
Mol. weight [g/mol]:	242.39
CAS:	1023-13-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.08		Crippen Method
logp	4.567		Crippen Method
rinpol	1746.00		NIST Webbook
rinpol	1798.70		NIST Webbook

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=C1023138&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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<https://www.chemeo.com/cid/85-021-4/4-Biphenyltrimethylsiloxane.pdf>

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