Phenol DMPFPS

Other names:	Phenol, FP
	Pentafluorophenyldimethylsilyloxybenzene
Inchi:	InChI=1S/C14H11F5OSi/c1-21(2,20-8-6-4-3-5-7-8)14-12(18)10(16)9(15)11(17)13(14)19/
InchiKey:	MOEXGEHFQPNSGK-UHFFFAOYSA-N
Formula:	C14H11F5OSi
SMILES:	C[Si](C)(Oc1ccccc1)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]:	318.31
CAS:	71338-91-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.31		Crippen Method
logp	3.873		Crippen Method
rinpol	1490.00		NIST Webbook
rinpol	1510.00		NIST Webbook
rinpol	1510.00		NIST Webbook
rinpol	1490.00		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=C71338915&Units=SI

Legend

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

Latest version available from: