

tert-Butyldimethylsilyl methyl phthalate

Other names:	1,2-Benzenedicarboxylic acid, methyl tert-butyldimethylsilyl ester
Inchi:	InChI=1S/C15H22O4Si/c1-15(2,3)20(5,6)19-14(17)12-10-8-7-9-11(12)13(16)18-4/h7-10H
InchiKey:	JICOYFWPHJGHGB-UHFFFAOYSA-N
Formula:	C15H22O4Si
SMILES:	<chem>COC(=O)c1ccccc1C(=O)O[Si](C)(C)C(C)(C)C</chem>
Mol. weight [g/mol]:	294.42

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.10		Crippen Method
logp	3.635		Crippen Method
rinpol	1820.00		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=U373490&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/47-641-8/tert-Butyldimethylsilyl-methyl-phthalate.pdf>

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