

# 1,4-Benzenedicarboxylic acid, bis(trimethylsilyl) ester

<b>Other names:</b>	Terephthalic acid, bis(trimethylsilyl) ester Bis(trimethylsilyl) terephthalate Terephthalic acid trimethylsilyl ester Terephthalic acid (tms) Terephthalic acid, 2tms derivative
<b>Inchi:</b>	InChI=1S/C14H22O4Si2/c1-19(2,3)17-13(15)11-7-9-12(10-8-11)14(16)18-20(4,5)6/h7-10
<b>InchiKey:</b>	XNDCJULFVFXBR-UHFFFAOYSA-N
<b>Formula:</b>	C14H22O4Si2
<b>SMILES:</b>	<chem>C[Si](C)(C)OC(=O)c1ccc(C(=O)O[Si](C)(C)C)cc1</chem>
<b>Mol. weight [g/mol]:</b>	310.49
<b>CAS:</b>	4147-84-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.27		Crippen Method
logp	3.670		Crippen Method
rinpol	1788.00		NIST Webbook
rinpol	1788.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C4147846&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4147846&amp;Units=SI</a>

## Legend

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

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