

# tert-Butyldimethylsilyl (E)-3,7-dimethylocta-2,6-dienyl phthalate

**Other names:** 1,2-Benzenedicarboxylic acid, (E)-3,7-dimethylocta-2,6-dienyl  
tert-butyldimethylsilyl ester  
**Inchi:** InChI=1S/C24H36O4Si/c1-18(2)12-11-13-19(3)16-17-27-22(25)20-14-9-10-15-21(20)23(24)22  
**InchiKey:** SOHGNQLGCAVAFK-KNTRCKAVSA-N  
**Formula:** C<sub>24</sub>H<sub>36</sub>O<sub>4</sub>Si  
**SMILES:** CC(C)=CCCC(C)=CCOC(=O)c1cccc1C(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 416.63

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.58		Crippen Method
logp	6.698		Crippen Method
rinpol	2629.00		NIST Webbook
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## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U373531&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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