

# tert-Butyldimethylsilyl 4-(trifluoromethyl)benzoate

**Inchi:** InChI=1S/C14H19F3O2Si/c1-13(2,3)20(4,5)19-12(18)10-6-8-11(9-7-10)14(15,16)17/h6-9  
**InchiKey:** BXOAIFGVRSDJRE-UHFFFAOYSA-N  
**Formula:** C14H19F3O2Si  
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)c1ccc(C(F)(F)F)cc1  
**Mol. weight [g/mol]:** 304.38

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.96		Crippen Method
logp	4.867		Crippen Method
rinpol	1439.00		NIST Webbook
rinpol	1439.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U373177&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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