# tert-Butyldimethylsilyl 4-oxo-4-(4-phenylphenyl)butanoate

**Other names:** tert-Butyldimethylsilyl 4-[1,1'-biphenyl]-4-yl-4-oxobutanoate
**Inchi:** InChI=1S/C22H28O3Si/c1-22(2,3)26(4,5)25-21(24)16-15-20(23)19-13-11-18(12-14-19)1
**InchiKey:** AUFHQHKWYPJLNP-UHFFFAOYSA-N
**Formula:** C22H28O3Si
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)CCC(=O)c1ccc(-c2ccccc2)cc1
**Mol. weight [g/mol]:** 368.54

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -5.00 | | Crippen Method |
| logp | 5.865 | | Crippen Method |
| rinpol | 2866.00 | | NIST Webbook |

## Sources

**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U373127&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

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