

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/ci9903071>

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/41-896-2/tert-Butyldimethylsilyl-4-oxo-4-4-phenylphenyl-butanoate.pdf>

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