

tert-Butyldimethylsilyl 10-chlorodecyl phthalate

Other names:	1,2-Benzenedicarboxylic acid, 10-chlorodecyl tert-butyldimethylsilyl ester
Inchi:	InChI=1S/C24H39ClO4Si/c1-24(2,3)30(4,5)29-23(27)21-17-13-12-16-20(21)22(26)28-19
InchiKey:	ILGAKHBZUJXDPG-UHFFFAOYSA-N
Formula:	C24H39ClO4Si
SMILES:	CC(C)(C)[Si](C)(C)OC(=O)c1cccc1C(=O)OCCCCCCCCCCI
Mol. weight [g/mol]:	455.10

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.02		Crippen Method
logp	7.365		Crippen Method
rinpol	3005.00		NIST Webbook
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Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U373653&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

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<https://www.chemeo.com/cid/31-607-3/tert-Butyldimethylsilyl-10-chlorodecyl-phthalate.pdf>

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