

# Trinexapac-ethyl, tert-butyldimethylsilyl ether

## Other names:

4-[(tert-Butyldimethylsilyloxy)-cyclopropyl-methylene]-3,5-dioxo-cyclohexanecarboxylic acid, ethyl ester  
4-[(tert-butyl(dimethyl)silyl]oxy)(cyclopropyl)methylene]-3,5-dioxocyclohexanecarboxylate  
Cimectacarb, BDMS

**Inchi:** InChI=1S/C19H30O5Si/c1-7-23-18(22)13-10-14(20)16(15(21)11-13)17(12-8-9-12)24-25(

**InchiKey:** NFGSVZDMMZKICN-MSUUIHNZSA-N

**Formula:** C19H30O5Si

**SMILES:** CCOC(=O)C1CC(=O)C(=C(O[Si](C)(C)C(C)(C)C)C2CC2)C(=O)C1

**Mol. weight [g/mol]:** 366.52

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.99		Crippen Method
logp	3.784		Crippen Method
rinpol	2386.00		NIST Webbook
rinpol	2397.30		NIST Webbook
rinpol	2386.00		NIST Webbook
rinpol	2397.30		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=U373327&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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