Dihydrocapsaicin, tert-butyldimethylsilyl ether

Other names: Dihydrocapsaicin, tbdms derivative
Inchi: InChI=1S/C24H43NO3Si/c1-19(2)13-11-9-10-12-14-23(26)25-18-20-15-16-21(22(17-20)2
InchiKey: AMLFJTPKWKHNQK-UHFFFAOYSA-N
Formula: C24H43NO3Si
SMILES: COc1cc(CNC(=O)CCCCCCC(C)C)ccc1O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 421.69

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.64		Crippen Method
logp	6.692		Crippen Method
rinpol	2923.80		NIST Webbook
rinpol	2923.80		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U353107&Units=SI

Legend

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