(Z)-4-decen-1-ol, tert-butyldimethylsilyl ether

Other names: 4-Decen-1-ol, (z)-, tbdms derivative
Inchi: InChI=1S/C16H34OSi/c1-7-8-9-10-11-12-13-14-15-17-18(5,6)16(2,3)4/h11-12H,7-10,13-
InchiKey: FHOJBQDRFKMEPW-QXMHVHEDSA-N
Formula: C16H34OSi
SMILES: CCCCC/C=C\CCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 270.53

Physical Properties

Property code	Value	Unit	Source
hvap	64.94	kJ/mol	Cheméo Relay (1.0)
ie	8.77	eV	Cheméo Relay (1.0)
logp	5.925		Crippen Method
rinpol	1572.40		NIST Webbook
tb	534.72	K	Cheméo Relay (1.0)
tf	216.51	K	Cheméo Relay (1.0)

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333849&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point