3-Methyl-1-butanol, benzyldimethylsilyl ether

Inchi: InChI=1S/C14H24OSi/c1-13(2)10-11-15-16(3,4)12-14-8-6-5-7-9-14/h5-9,13H,10-12H2,1-
InchiKey: KADNEAZHRIPYNG-UHFFFAOYSA-N
Formula: C14H24OSi
SMILES: CC(C)CCO[Si](C)(C)Cc1ccccc1
Mol. weight [g/mol]: 236.43

Physical Properties

Property code	Value	Unit	Source
af	0.5234		Cheméo Relay (1.0)
hf	-322.58	kJ/mol	Cheméo Relay (1.0)
hvap	66.14	kJ/mol	Cheméo Relay (1.0)
ie	8.68	eV	Cheméo Relay (1.0)
log10ws	-3.08		Cheméo Relay (1.0)
logp	4.036		Crippen Method
pc	1732.34	kPa	Cheméo Relay (1.0, beta)
rinpol	1473.00		NIST Webbook
rinpol	1473.00		NIST Webbook
tb	544.23	K	Cheméo Relay (1.0)
tc	726.37	K	Cheméo Relay (1.0)
tf	221.06	K	Cheméo Relay (1.0)
vc	0.791	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U375574&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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