2-Methoxy-5-methylphenol, tert-butyldimethylsilyl ether

Other names: 2-Methoxy-5-methylphenol, tbdms derivative
Inchi: InChI=1S/C14H24O2Si/c1-11-8-9-12(15-5)13(10-11)16-17(6,7)14(2,3)4/h8-10H,1-7H3
InchiKey: FLNMPTLMAKZAHW-UHFFFAOYSA-N
Formula: C14H24O2Si
SMILES: COc1ccc(C)cc1O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 252.42

Physical Properties

Property code	Value	Unit	Source
hf	-463.24	kJ/mol	Cheméo Relay (1.0)
hvap	63.86	kJ/mol	Cheméo Relay (1.0)
ie	7.84	eV	Cheméo Relay (1.0)
logp	4.388		Crippen Method
rinpol	1538.70		NIST Webbook
rinpol	1538.70		NIST Webbook
tb	546.56	K	Cheméo Relay (1.0)
tc	755.18	K	Cheméo Relay (1.0)
tf	320.68	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=U352882&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf: Enthalpy of formation at standard conditions
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
tc:	Critical Temperature
tf:	Normal melting (fusion) point

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