

Ethanol, tert-butyldimethylsilyl ether

Inchi: InChI=1S/C8H20OSi/c1-7-9-10(5,6)8(2,3)4/h7H2,1-6H3
InchiKey: BXYXWBBROYOLIG-UHFFFAOYSA-N
Formula: C8H20OSi
SMILES: CCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 160.33

Physical Properties

Property code	Value	Unit	Source
hvap	42.33	kJ/mol	Cheméo Relay (1.0)
ie	9.31	eV	Cheméo Relay (1.0)
logp	3.028		Crippen Method
pc	2447.11	kPa	Cheméo Relay (1.0, beta)
rinpol	827.00		NIST Webbook
rinpol	827.00		NIST Webbook
rinpol	827.00		NIST Webbook
ripol	834.00		NIST Webbook
ripol	834.00		NIST Webbook
ripol	834.00		NIST Webbook
tb	413.88	K	Cheméo Relay (1.0)
tf	231.71	K	Cheméo Relay (1.0)

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C17348651&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

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log_p:	Octanol/Water partition coefficient
p_c:	Critical Pressure
ri_{npol}:	Non-polar retention indices
ri_{pol}:	Polar retention indices
t_b:	Normal Boiling Point Temperature
t_f:	Normal melting (fusion) point

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