Ethoxydimethyl phenylsilane

Other names:	Ethoxydimethylphenylsilane
	Phenyl(dimethyl)ethoxysilane
	Dimethyl-fenyl-ethoxysilan
	Silane, dimethylethoxyphenyl-
	Dimethylethoxyphenylsilane
	Ethoxy-fenyl-dimethylsilane
	Dimethyl(phenyl)silyloxyethane
	Dimethyl(phenyl)silyl ethyl ether
	Benzene, (ethoxydimethylsilyl)-
	NSC 96880
Inchi:	InChI=1S/C10H16OSi/c1-4-11-12(2,3)10-8-6-5-7-9-10/h5-9H,4H2,1-3H3
InchiKey:	FIHCECZPYHVEJO-UHFFFAOYSA-N
Formula:	C10H16OSi
SMILES:	CCO[Si](C)(C)c1ccccc1
Mol. weight [g/mol]:	180.32

Physical Properties

Property code	Value	Unit	Source
af	0.3738		Cheméo Relay (1.0)
hf	-237.48	kJ/mol	Cheméo Relay (1.0)
hvap	54.71	kJ/mol	Cheméo Relay (1.0)
ie	9.08	eV	Cheméo Relay (1.0)
log10ws	-1.77		Cheméo Relay (1.0)
logp	2.135		Crippen Method
pc	2373.48	kPa	Cheméo Relay (1.0, beta)
tb	464.80	K	Cheméo Relay (1.0)
tc	667.37	K	Cheméo Relay (1.0)
tf	201.93	K	Cheméo Relay (1.0)

Sources

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):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1825587&Units=SI

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point