4-Bromophenol, trimethylsilyl ether

Other names:	4-Trimethylsilyloxybromobenzene
	4-Bromotrimethylsiloxybenzene
	p-Bromophenoxytrimethylsilane
	p-Trimethylsiloxy bromobenzene
	(4-Bromophenoxy)(trimethyl)silane
	4-Bromophenol, trimethylsilyl ether
Inchi:	InChI=1S/C9H13BrOSi/c1-12(2,3)11-9-6-4-8(10)5-7-9/h4-7H,1-3H3
InchiKey:	HWKPTBHJWBSOOP-UHFFFAOYSA-N
Formula:	C9H13BrOSi
SMILES:	C[Si](C)(C)Oc1ccc(Br)cc1
Mol. weight [g/mol]:	245.19

Physical Properties

Property code	Value	Unit	Source
hvap	59.67	kJ/mol	Cheméo Relay (1.0)
ie	8.69	eV	Cheméo Relay (1.0)
log10ws	-3.50		Cheméo Relay (1.0)
logp	3.663		Crippen Method
rinpol	1330.60		NIST Webbook
tb	518.65	K	Cheméo Relay (1.0)
tf	288.40	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	399.00	K	3.30	NIST Webbook

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=C17878443&Units=SI

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point

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