2-Trimethylsilyloxybenzaldehyde

Other names:	Benzaldehyde, 2-[(trimethylsilyl)oxy]-
	Salicylaldehyde, tms derivative
	o-[(trimethylsilyl)oxy]benzaldehyde
Inchi:	InChI=1S/C10H14O2Si/c1-13(2,3)12-10-7-5-4-6-9(10)8-11/h4-8H,1-3H3
InchiKey:	GMQJTDJLZSIFQG-UHFFFAOYSA-N
Formula:	C10H14O2Si
SMILES:	C[Si](C)(C)Oc1ccccc1C=O
Mol. weight [g/mol]:	194.30
CAS:	1078-31-5

Physical Properties

Property code	Value	Unit	Source
hvap	60.77	kJ/mol	Cheméo Relay (1.0)
log10ws	-2.07		Cheméo Relay (1.0)
logp	2.713		Crippen Method
tb	520.18	K	Cheméo Relay (1.0)
tf	252.63	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=C1078315&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point

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