Silyl trifluoroacetate

Inchi: InChI=1S/C2H3F3O2Si/c3-2(4,5)1(6)7-8/h8H3
InchiKey: GWPZHWIVXJVWCQ-UHFFFAOYSA-N
Formula: C2H3F3O2Si
SMILES: O=C(O[SiH3])C(F)(F)F
Mol. weight [g/mol]: 144.12
CAS: 6876-44-4

Physical Properties

Property code	Value	Unit	Source
log10ws	2.42		Crippen Method
logp	-0.628		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	30.70	kJ/mol	283.00	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6876444&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvapt: Enthalpy of vaporization at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient