Triphenylfluorosilane

Other names:	Triphenylfluorosilane
	Triphenyfluorosilane
	Silane, fluorotriphenyl-
Inchi:	InChI=1S/C18H15FSi/c19-20(16-10-4-1-5-11-16,17-12-6-2-7-13-17)18-14-8-3-9-15-18/h1
InchiKey:	UBGXLEFOIVWVRP-UHFFFAOYSA-N
Formula:	C18H15FSi
SMILES:	F[Si](c1ccccc1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	278.40

Physical Properties

Property code	Value	Unit	Source
hvap	77.92	kJ/mol	Cheméo Relay (1.0)
ie	9.18	eV	Cheméo Relay (1.0)
logp	2.623		Crippen Method
tb	618.39	K	Cheméo Relay (1.0)
tf	371.08	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	481.50 ± 1.50	K	1.60	NIST Webbook

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=C379500&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point