Propyl 3,4,5-tris(trimethylsilyloxy)benzoate

Other names: Propyl gallate, tris(trimethylsilyl) ester
Propyl 3,4,5-tris(trimethylsilyloxy)benzoate
Inchi: InChI=1S/C19H36O5Si3/c1-11-12-21-19(20)15-13-16(22-25(2,3)4)18(24-27(8,9)10)17(14
InchiKey: WFUMVAGDQRGOTN-UHFFFAOYSA-N
Formula: C19H36O5Si3
SMILES: CCCOC(=O)c1cc(O[Si](C)(C)C)c(O[Si](C)(C)C)c(O[Si](C)(C)C)c1
Mol. weight [g/mol]: 428.75

Physical Properties

Property code	Value	Unit	Source
hf	-1230.82	kJ/mol	Cheméo Relay (1.0)
hvap	71.19	kJ/mol	Cheméo Relay (1.0)
log10ws	-4.68		Cheméo Relay (1.0)
logp	5.894		Crippen Method
pc	289.79	kPa	Cheméo Relay (1.0, beta)
rinpol	2050.00		NIST Webbook
rinpol	2050.00		NIST Webbook
tb	609.12	K	Cheméo Relay (1.0)
tf	330.44	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=C77160555&Units=SI

Legend

hf: Enthalpy of formation at standard conditions

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