Methyltriphenylsilane

Other names: Methyltriphenylsilane
Inchi: InChI=1S/C19H18Si/c1-20(17-11-5-2-6-12-17,18-13-7-3-8-14-18)19-15-9-4-10-16-19/h2-
InchiKey: GIGVICQLYWGMGW-UHFFFAOYSA-N
Formula: C19H18Si
SMILES: C[Si](c1ccccc1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 274.44

Physical Properties

Property code	Value	Unit	Source
hf	209.46	kJ/mol	Cheméo Relay (1.0)
hvap	80.92	kJ/mol	Cheméo Relay (1.0)
ie	8.49	eV	Cheméo Relay (1.0)
logp	2.787		Crippen Method
tb	613.09	K	Cheméo Relay (1.0)
tf	333.99	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C791297&Units=SI
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):

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point