

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

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<https://www.cheméo.com/cid/39-050-3/Methyltriphenylsilane.pdf>

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