

Tetrakis(trimethylsilyl)silane

Other names:	Si(Si(CH ₃) ₃) ₄ Tetrakis(trimethylsilyl)silane Tetra(trimethylsilyl)-silane
Inchi:	InChI=1S/C12H36Si5/c1-13(2,3)17(14(4,5)6,15(7,8)9)16(10,11)12/h1-12H3
InchiKey:	BOJSDHZZKKYWAS-UHFFFAOYSA-N
Formula:	C ₁₂ H ₃₆ Si ₅
SMILES:	C[Si](C)(C)[Si]([Si](C)(C)C)([Si](C)(C)C)[Si](C)(C)C
Mol. weight [g/mol]:	320.85

Physical Properties

Property code	Value	Unit	Source
ie	7.89	eV	Cheméo Relay (1.0)
logp	5.102		Crippen Method
tb	480.40	K	Cheméo Relay (1.0)
tf	323.98	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C4098980&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

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/85-747-9/Tetrakis-trimethylsilyl-silane.pdf>

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