Propane, 2,2'-[methylenebis(thio)]bis[2-methyl-

Other names: 2,2,6,6-tetramethyl-3,5-dithiaheptane
Propane, 2,2'-[methylenebis(thio)]bis[2-methyl-
Formaldehyde di-tert-butylmercaptal

Inchi: InChI=1S/C9H20S2/c1-8(2,3)10-7-11-9(4,5)6/h7H2,1-6H3

InchiKey: HCODNZPTXNCDTN-UHFFFAOYSA-N

Formula: C9H20S2

SMILES: CC(C)(C)SCSC(C)(C)C

Mol. weight [g/mol]: 192.39

Physical Properties

Property code	Value	Unit	Source
hf	-197.16	kJ/mol	Cheméo Relay (1.0)
hfus	12.50	kJ/mol	Joback Method
hvap	56.44	kJ/mol	Cheméo Relay (1.0)
log10ws	-3.82		Cheméo Relay (1.0)
logp	4.007		Crippen Method
mcvol	170.370	ml/mol	McGowan Method
rinpol	1233.00		NIST Webbook
tb	491.83	K	Cheméo Relay (1.0)
tf	291.99	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	393.36	J/mol×K	536.42	Joback Method
cpg	410.99	J/mol×K	574.74	Joback Method
cpg	427.42	J/mol×K	613.06	Joback Method
cpg	442.70	J/mol×K	651.38	Joback Method
cpg	456.90	J/mol×K	689.70	Joback Method
cpg	470.08	J/mol×K	728.02	Joback Method
cpg	482.31	J/mol×K	766.34	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
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=C4345986&Units=SI

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point