trans-1,1,2,3-tetramethylcyclopentane

Other names: 1,1,2-trans-3-tetramethylcyclopentane
Inchi: InChI=1S/C9H18/c1-7-5-6-9(3,4)8(7)2/h7-8H,5-6H2,1-4H3
InchiKey: CXCBKSYSKZEEJB-JGVFFNPUSA-N
Formula: C9H18
SMILES: CC1CCC(C)(C)C1C
Mol. weight [g/mol]: 126.24
CAS: 62016-70-0

Physical Properties

Property code	Value	Unit	Source
hfus	8.84	kJ/mol	Joback Method
logp	3.079		Crippen Method
mcvol	126.810	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	256.44	J/mol×K	411.50	Joback Method
cpg	275.25	J/mol×K	444.63	Joback Method
cpg	292.94	J/mol×K	477.75	Joback Method
cpg	309.58	J/mol×K	510.88	Joback Method
cpg	325.27	J/mol×K	544.01	Joback Method
cpg	340.08	J/mol×K	577.14	Joback Method
cpg	354.09	J/mol×K	610.26	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C62016700&Units=SI
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):

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume