1,5,9-DECATRIENE, 2,3,5,8-TETRAMETHYL-

Other names: 2,3,5,8-Tetramethyl-1,5,9-decatriene
Inchi: InChI=1S/C14H24/c1-7-12(4)8-9-13(5)10-14(6)11(2)3/h7,9,12,14H,1-2,8,10H2,3-6H3/b1
InchiKey: XOZORGGLLHZDMW-UKTHLTGXSA-N
Formula: C14H24
SMILES: C=CC(C)C/C=C(\C)CC(C)C(=C)C
Mol. weight [g/mol]: 192.35

Physical Properties

Property code	Value	Unit	Source
hfus	19.99	kJ/mol	Joback Method
logp	4.747		Crippen Method
mcvol	195.220	ml/mol	McGowan Method
ripol	1485.00		NIST Webbook
tb	490.78	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	450.39	J/mol×K	516.12	Joback Method
cpg	468.73	J/mol×K	546.92	Joback Method
cpg	486.15	J/mol×K	577.73	Joback Method
cpg	502.70	J/mol×K	608.53	Joback Method
cpg	518.40	J/mol×K	639.34	Joback Method
cpg	533.32	J/mol×K	670.14	Joback Method
cpg	547.48	J/mol×K	700.94	Joback Method

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C230646727&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):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature