(1S-exo)-2-methyl-3-methylene-2-(4-methyl-1,3-pe

Inchi: InChI=1S/C15H22/c1-11(2)6-5-9-15(4)12(3)13-7-8-14(15)10-13/h5-6,9,13-14H,3,7-8,10H
InchiKey: AUUQHGDISWQDBS-VQYCVVJXSA-N
Formula: C15H22
SMILES: C=C1C2CCC(C2)C1(C)C=CC=C(C)C
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
gf	376.59	kJ/mol	Joback Method
hf	90.30	kJ/mol	Joback Method
hfus	21.48	kJ/mol	Joback Method
hvap	47.68	kJ/mol	Joback Method
log10ws	-4.73		Crippen Method
logp	4.501		Crippen Method
mcvol	187.590	ml/mol	McGowan Method
pc	2005.50	kPa	Joback Method
ripol	1600.00		NIST Webbook
tb	563.28	K	Joback Method
tc	778.64	K	Joback Method
tf	300.39	K	Joback Method
vc	0.724	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	477.02	J/mol×K	563.28	Joback Method
cpg	497.40	J/mol×K	599.17	Joback Method
cpg	516.41	J/mol×K	635.07	Joback Method
cpg	534.24	J/mol×K	670.96	Joback Method
cpg	551.08	J/mol×K	706.85	Joback Method
cpg	567.11	J/mol×K	742.75	Joback Method
cpg	582.52	J/mol×K	778.64	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R330124&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
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
pc:	Critical Pressure
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume