Dicyclopentadiene, 1-methyl, # 2

Inchi: InChI=1S/C11H14/c1-11-6-5-8(7-11)9-3-2-4-10(9)11/h2,4-6,8-10H,3,7H2,1H3/t8-,9?,10?
InchiKey: CFLAOVSOSQGGHH-IDWGSYCQSA-N
Formula: C11H14
SMILES: CC12C=CC(C1)C1CC=CC12
Mol. weight [g/mol]: 146.23

Physical Properties

Property code	Value	Unit	Source
gf	258.61	kJ/mol	Joback Method
hf	52.33	kJ/mol	Joback Method
hfus	13.77	kJ/mol	Joback Method
hvap	39.11	kJ/mol	Joback Method
log10ws	-2.85		Crippen Method
logp	2.775		Crippen Method
mcvol	124.670	ml/mol	McGowan Method
pc	3173.97	kPa	Joback Method
rinpol	1039.00		NIST Webbook
tb	469.46	K	Joback Method
tc	694.13	K	Joback Method
tf	285.21	K	Joback Method
vc	0.483	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	288.29	J/mol×K	469.46	Joback Method
cpg	307.76	J/mol×K	506.90	Joback Method
cpg	325.46	J/mol×K	544.35	Joback Method
cpg	341.62	J/mol×K	581.79	Joback Method
cpg	356.43	J/mol×K	619.24	Joback Method
cpg	370.11	J/mol×K	656.68	Joback Method
cpg	382.87	J/mol×K	694.13	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=R531763&Units=SI

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume