4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undeca

Inchi: InChI=1S/C15H24O/c1-10-6-8-14(16)11(2)5-7-13-12(10)9-15(13,3)4/h11-13H,1,5-9H2,2-
InchiKey: GWBJPNAWYMBRLQ-UHFFFAOYSA-N
Formula: C15H24O
SMILES: C=C1CCC(=O)C(C)CCC2C1CC2(C)C
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	46.00	kJ/mol	Joback Method
hf	-317.03	kJ/mol	Joback Method
hfus	14.57	kJ/mol	Joback Method
hvap	52.31	kJ/mol	Joback Method
log10ws	-4.06		Crippen Method
logp	3.984		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	1992.98	kPa	Joback Method
ripol	1941.00		NIST Webbook
ripol	1941.00		NIST Webbook
tb	635.31	K	Joback Method
tc	870.83	K	Joback Method
tf	374.41	K	Joback Method
vc	0.737	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	565.66	J/mol×K	635.31	Joback Method
cpg	589.99	J/mol×K	674.56	Joback Method
cpg	612.95	J/mol×K	713.82	Joback Method
cpg	634.64	J/mol×K	753.07	Joback Method
cpg	655.19	J/mol×K	792.32	Joback Method
cpg	674.70	J/mol×K	831.58	Joback Method
cpg	693.29	J/mol×K	870.83	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R298827&Units=SI
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

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