ent-Pimara-8,15-diene

Inchi: InChI=1S/C20H32/c1-6-19(4)13-10-16-15(14-19)8-9-17-18(2,3)11-7-12-20(16,17)5/h6,17
InchiKey: OROJBMPJDLLRFD-LYBXBRPPSA-N
Formula: C20H32
SMILES: C=CC1(C)CCC2=C(CCC3C(C)(C)CCCC23C)C1
Mol. weight [g/mol]: 272.47

Physical Properties

Property code	Value	Unit	Source
gf	313.63	kJ/mol	Joback Method
hf	-82.88	kJ/mol	Joback Method
hfus	12.80	kJ/mol	Joback Method
hvap	57.90	kJ/mol	Joback Method
log10ws	-6.62		Crippen Method
logp	6.286		Crippen Method
mcvol	251.480	ml/mol	McGowan Method
pc	1635.13	kPa	Joback Method
rinpol	1942.00		NIST Webbook
rinpol	1942.00		NIST Webbook
tb	700.42	K	Joback Method
tc	940.52	K	Joback Method
tf	442.88	K	Joback Method
vc	0.947	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	761.41	J/mol×K	700.42	Joback Method
cpg	787.70	J/mol×K	740.44	Joback Method
cpg	813.29	J/mol×K	780.45	Joback Method
cpg	838.65	J/mol×K	820.47	Joback Method
cpg	864.25	J/mol×K	860.49	Joback Method
cpg	890.55	J/mol×K	900.51	Joback Method
cpg	918.02	J/mol×K	940.52	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R340037&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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