Myli-4(15)-ene

Other names: 1,1,3a-Trimethyl-6-methylene-1,1a,2,3,3a,3b,4,5,6,6bdecahydrocyclopenta[2,3]cycloprop
Inchi: InChI=1S/C15H22/c1-9-5-6-11-14(4)8-7-10-12(13(10,2)3)15(9,11)14/h10-12H,1,5-8H2,2-
InchiKey: FJYLCZVNXGMVTO-RVFCECRWSA-N
Formula: C15H22
SMILES: C=C1CCC2C3(C)CCC4C(C4(C)C)C123
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
gf	351.71	kJ/mol	Joback Method
hf	33.71	kJ/mol	Joback Method
hfus	11.34	kJ/mol	Joback Method
hvap	44.55	kJ/mol	Joback Method
log10ws	-4.08		Crippen Method
logp	4.025		Crippen Method
mcvol	174.470	ml/mol	McGowan Method
pc	2322.54	kPa	Joback Method
rinpol	1419.00		NIST Webbook
tb	555.83	K	Joback Method
tc	781.84	K	Joback Method
tf	410.99	K	Joback Method
vc	0.688	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	483.46	J/mol×K	555.83	Joback Method
cpg	504.50	J/mol×K	593.50	Joback Method
cpg	523.79	J/mol×K	631.17	Joback Method
cpg	541.79	J/mol×K	668.84	Joback Method
cpg	558.94	J/mol×K	706.51	Joback Method
cpg	575.69	J/mol×K	744.18	Joback Method
cpg	592.48	J/mol×K	781.84	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R407695&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume