Drima-7,9(11)-diene

Other names: DRIMA-7,9-DIENE
Inchi: InChI=1S/C15H24/c1-11-7-8-13-14(3,4)9-6-10-15(13,5)12(11)2/h7,13H,2,6,8-10H2,1,3-5
InchiKey: IQLMHLRIRXSXLQ-UHFFFAOYSA-N
Formula: C15H24
SMILES: C=C1C(C)=CCC2C(C)(C)CCCC12C
Mol. weight [g/mol]: 204.35

Physical Properties

Property code	Value	Unit	Source
gf	203.24	kJ/mol	Joback Method
hf	-91.28	kJ/mol	Joback Method
hfus	10.62	kJ/mol	Joback Method
hvap	48.00	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2064.24	kPa	Joback Method
rinpol	1469.00		NIST Webbook
rinpol	1471.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1456.00		NIST Webbook
rinpol	1476.00		NIST Webbook
rinpol	1470.00		NIST Webbook
rinpol	1469.00		NIST Webbook
rinpol	1470.00		NIST Webbook
rinpol	1469.00		NIST Webbook
rinpol	1469.00		NIST Webbook
rinpol	1468.00		NIST Webbook
rinpol	1461.00		NIST Webbook
rinpol	1469.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1461.00		NIST Webbook
rinpol	1473.00		NIST Webbook
rinpol	1488.00		NIST Webbook

rinpol	1469.00		NIST Webbook
ripol	1677.00		NIST Webbook
ripol	1677.00		NIST Webbook
ripol	1677.00		NIST Webbook
ripol	1668.00		NIST Webbook
ripol	1668.00		NIST Webbook
tb	572.27	K	Joback Method
tc	799.19	K	Joback Method
tf	351.13	K	Joback Method
vc	0.723	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	498.67	J/mol×K	572.27	Joback Method
cpg	520.98	J/mol×K	610.09	Joback Method
cpg	541.90	J/mol×K	647.91	Joback Method
cpg	561.68	J/mol×K	685.73	Joback Method
cpg	580.56	J/mol×K	723.55	Joback Method
cpg	598.80	J/mol×K	761.37	Joback Method
cpg	616.65	J/mol×K	799.19	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R234492&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume