7,14-Anhydroamorpha-4,9-diene

Inchi: InChI=1S/C15H22/c1-10(2)13-8-6-12(4)14-7-5-11(3)9-15(13)14/h6,9,14-15H,5,7-8H2,1-4
InchiKey: LHLLFFZNPMFKRK-LSDHHAIUSA-N
Formula: C15H22
SMILES: CC1=CC2C(=C(C)C)CC=C(C)C2CC1
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
gf	226.09	kJ/mol	Joback Method
hf	-73.11	kJ/mol	Joback Method
hfus	23.16	kJ/mol	Joback Method
hvap	52.27	kJ/mol	Joback Method
log10ws	-4.97		Crippen Method
logp	4.645		Crippen Method
mcvol	187.590	ml/mol	McGowan Method
pc	2025.41	kPa	Joback Method
rinpol	1735.00		NIST Webbook
rinpol	1735.00		NIST Webbook
tb	587.96	K	Joback Method
tc	809.43	K	Joback Method
tf	303.57	K	Joback Method
vc	0.714	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	482.89	J/mol×K	587.96	Joback Method
cpg	504.00	J/mol×K	624.87	Joback Method
cpg	523.83	J/mol×K	661.78	Joback Method
cpg	542.44	J/mol×K	698.70	Joback Method
cpg	559.90	J/mol×K	735.61	Joback Method
cpg	576.27	J/mol×K	772.52	Joback Method
cpg	591.61	J/mol×K	809.43	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=R281597&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

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