1,2,4-Methenoazulene, decahydro-1,5,5,8a-tetramethyl-, [1S-(1a`,2a`,3aa`,4a`,8aa`,9R*)]-

Inchi: InChI=1S/C15H24/c1-13(2)6-5-7-14(3)9-8-10-12(11(9)13)15(10,14)4/h9-12H,5-8H2,1-4H

InchiKey: WCEIQUQVIOGRBF-UHFFFAOYSA-N

Formula: C15H24

SMILES: CC1(C)CCCC2(C)C3CC4C(C31)C42C

Mol. weight [g/mol]: 204.35

Physical Properties

Property code	Value	Unit	Source
gf	290.92	kJ/mol	Joback Method
hf	-70.87	kJ/mol	Joback Method
hfus	13.56	kJ/mol	Joback Method
hvap	44.08	kJ/mol	Joback Method
log10ws	-3.99		Crippen Method
logp	4.105		Crippen Method
mcvol	178.770	ml/mol	McGowan Method
pc	2210.37	kPa	Joback Method
rinpol	1376.20		NIST Webbook
rinpol	1376.20		NIST Webbook
tb	552.00	K	Joback Method
tc	775.96	K	Joback Method
tf	393.07	K	Joback Method
vc	0.703	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.97	J/mol×K	552.00	Joback Method
cpg	526.89	J/mol×K	589.33	Joback Method
cpg	547.94	J/mol×K	626.65	Joback Method
cpg	567.56	J/mol×K	663.98	Joback Method
cpg	586.20	J/mol×K	701.31	Joback Method
cpg	604.29	J/mol×K	738.63	Joback Method
cpg	622.26	J/mol×K	775.96	Joback Method

Sources

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=R518126&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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