Silphiperfola-4,7(14)-diene

Other names: Silphiperfol-4,7(14)-diene
Silphiperfola-5,7(14)-diene
Inchi: InChI=1S/C15H22/c1-10-5-8-15-12(3)11(2)9-14(15,4)7-6-13(10)15/h9-10,13H,3,5-8H2,1-
InchiKey: WBXUOIDEYMLLNE-KQLPNOJUSA-N
Formula: C15H22
SMILES: C=C1C(C)=CC2(C)CCC3C(C)CCC132
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
hfus	12.96	kJ/mol	Joback Method
logp	4.335		Crippen Method
mcvol	181.030	ml/mol	McGowan Method
rinpol	1357.00		NIST Webbook
rinpol	1361.00		NIST Webbook
rinpol	1361.00		NIST Webbook
rinpol	1353.00		NIST Webbook
rinpol	1353.00		NIST Webbook
rinpol	1363.00		NIST Webbook
rinpol	1361.00		NIST Webbook
rinpol	1355.00		NIST Webbook
ripol	1523.00		NIST Webbook
ripol	1523.00		NIST Webbook
ripol	1481.00		NIST Webbook
ripol	1481.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	482.27	J/mol×K	570.47	Joback Method
cpg	503.46	J/mol×K	608.40	Joback Method
cpg	523.18	J/mol×K	646.32	Joback Method
cpg	541.72	J/mol×K	684.25	Joback Method
cpg	559.40	J/mol×K	722.17	Joback Method

cpg	576.51	J/mol×K	760.10	Joback Method
cpg	593.35	J/mol×K	798.02	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R327574&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices