

Ventricos-7(13)-ene

Other names:	(-)-ventricos-7(13)-ene
Inchi:	InChI=1S/C15H24/c1-10-7-12-6-5-11(2)15(12)9-14(3,4)8-13(10)15/h11-13H,1,5-9H2,2-4H
InchiKey:	CPNKKZQGNNFQGD-RGCMKSIDSA-N
Formula:	C15H24
SMILES:	<chem>C=C1CC2CCC(C)C23CC(C)(C)CC13</chem>
Mol. weight [g/mol]:	204.35

Physical Properties

Property code	Value	Unit	Source
gf	260.15	kJ/mol	Joback Method
hf	-72.81	kJ/mol	Joback Method
hfus	13.20	kJ/mol	Joback Method
hvap	46.31	kJ/mol	Joback Method
log10ws	-4.43		Crippen Method
logp	4.415		Crippen Method
mcvol	185.330	ml/mol	McGowan Method
pc	2113.89	kPa	Joback Method
rinpol	1355.00		NIST Webbook
tb	561.66	K	Joback Method
tc	785.91	K	Joback Method
tf	358.59	K	Joback Method
vc	0.709	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.94	J/molxK	561.66	Joback Method
cpg	525.20	J/molxK	599.03	Joback Method
cpg	546.85	J/molxK	636.41	Joback Method
cpg	567.18	J/molxK	673.78	Joback Method
cpg	586.48	J/molxK	711.16	Joback Method
cpg	605.02	J/molxK	748.53	Joback Method
cpg	623.10	J/molxK	785.91	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=R431762&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

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
hvp:	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
rinp:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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