Bicyclo[3.1.1]hept-2-ene, 2,6-dimethyl-6-(4-methyl-3-pentenyl)-

Other names: 2-Norpinene, 2,6-dimethyl-6-(4-methyl-3-pentenyl)-
«alpha»-Bergamotene
Bicyclo[3,1,1]hept-2-ene,2,6-dimethyl-6-[4-methyl-3-pentenyl]-
2,6-dimethyl-6-(4-methyl-3-pentenyl)bicyclo[3.1.1]hept-2-ene

Inchi: InChI=1S/C15H24/c1-11(2)6-5-9-15(4)13-8-7-12(3)14(15)10-13/h6-7,13-14H,5,8-10H2,1-

InchiKey: YMBFCQPIMVLNIU-UHFFFAOYSA-N

Formula: C15H24

SMILES: CC(C)=CCCC1(C)C2CC=C(C)C1C2

Mol. weight [g/mol]: 204.35

CAS: 17699-05-7

Physical Properties

Property code	Value	Unit	Source
gf	263.62	kJ/mol	Joback Method
hf	-64.85	kJ/mol	Joback Method
hfus	23.27	kJ/mol	Joback Method
hvap	48.51	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	1918.62	kPa	Joback Method
rinpol	1433.00		NIST Webbook
rinpol	1440.00		NIST Webbook
rinpol	1428.00		NIST Webbook
rinpol	1453.00		NIST Webbook
rinpol	1436.00		NIST Webbook
rinpol	1429.00		NIST Webbook
rinpol	1436.00		NIST Webbook
rinpol	1408.00		NIST Webbook
rinpol	1433.00		NIST Webbook
rinpol	1435.00		NIST Webbook
rinpol	1427.00		NIST Webbook
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ripol	1586.00		NIST Webbook
ripol	1545.00		NIST Webbook
ripol	1564.00		NIST Webbook
ripol	1572.00		NIST Webbook
tb	564.10	K	Joback Method
tc	771.48	K	Joback Method
tf	305.07	K	Joback Method
vc	0.746	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	496.98	J/mol×K	564.10	Joback Method
cpg	517.47	J/mol×K	598.66	Joback Method
cpg	536.69	J/mol×K	633.23	Joback Method
cpg	554.80	J/mol×K	667.79	Joback Method
cpg	571.95	J/mol×K	702.35	Joback Method
cpg	588.31	J/mol×K	736.92	Joback Method
cpg	604.03	J/mol×K	771.48	Joback Method

Sources

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=C17699057&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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