1,3,6-Octatriene, 3,7-dimethyl-, (Z)-

Other names:	«beta»-cis-Ocimene cis-«beta»-Ocimene cis-3,7-Dimethyl-1,3,6-octatriene Ocimene, cis-«beta»- (Z)-Ocimene cis-Ocimene (3Z)-3,7-Dimethyl-1,3,6-octatriene «beta»-Ocimene, (Z)- «beta»-(Z)-Ocimene (Z)-«beta»-Ocimene (Z)-3,7-Dimethyl-1,3,6-octatriene 1,3,6-Octatriene, 3,7-dimethyl-, (3Z)- (Z)-3,7-Dimethylocta-1,3,6-triene ocimene-y «beta»-Ocymene, (Z)- (Z)- «beta»-Ocimene (cis-ocimene) p-cis-Ocimene
Inchi:	InChI=1S/C10H16/c1-5-10(4)8-6-7-9(2)3/h5,7-8H,1,6H2,2-4H3/b10-8-
InchiKey:	IHPKGUQCSIINRJ-NTMALXAHSA-N
Formula:	C10H16
SMILES:	C=CC(C)=CCC=C(C)C
Mol. weight [g/mol]:	136.23
CAS:	3338-55-4

Physical Properties

Property code	Value	Unit	Source
gf	264.50	kJ/mol	Joback Method
hf	90.56	kJ/mol	Joback Method
hfus	18.16	kJ/mol	Joback Method
hvap	37.26	kJ/mol	Joback Method
log10ws	-3.57		Crippen Method
logp	3.475		Crippen Method
mcvol	138.860	ml/mol	McGowan Method
pc	2445.89	kPa	Joback Method
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tc	622.27	K	Joback Method
tf	162.62	K	Joback Method
vc	0.538	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	268.68	J/mol×K	432.96	Joback Method
cpg	283.41	J/mol×K	464.51	Joback Method
cpg	297.33	J/mol×K	496.06	Joback Method
cpg	310.50	J/mol×K	527.62	Joback Method
cpg	322.94	J/mol×K	559.17	Joback Method
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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

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