9-Isopropenyl-7,7,8-trimethyl-4-oxatricyclo[6.1.0]r

Inchi: InChI=1S/C14H24O/c1-10(2)12-11-6-8-15-9-7-13(3,4)14(11,12)5/h11-12H,1,6-9H2,2-5H
InchiKey: VXGDAKXWOAETJV-UHFFFAOYSA-N
Formula: C14H24O
SMILES: C=C(C)C1C2CCOCCC(C)(C)C21C
Mol. weight [g/mol]: 208.34

Physical Properties

Property code	Value	Unit	Source
gf	118.97	kJ/mol	Joback Method
hf	-231.73	kJ/mol	Joback Method
hfus	16.92	kJ/mol	Joback Method
hvap	48.10	kJ/mol	Joback Method
log10ws	-3.45		Crippen Method
logp	3.651		Crippen Method
mcvol	187.970	ml/mol	McGowan Method
pc	2133.46	kPa	Joback Method
rinpol	1596.00		NIST Webbook
rinpol	1596.00		NIST Webbook
tb	560.66	K	Joback Method
tc	785.14	K	Joback Method
tf	323.03	K	Joback Method
vc	0.707	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	499.78	J/mol×K	560.66	Joback Method
cpg	522.68	J/mol×K	598.07	Joback Method
cpg	544.06	J/mol×K	635.49	Joback Method
cpg	564.17	J/mol×K	672.90	Joback Method
cpg	583.27	J/mol×K	710.32	Joback Method
cpg	601.62	J/mol×K	747.73	Joback Method
cpg	619.47	J/mol×K	785.14	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=R617793&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume