8,9,10-trinorborn-5-ene-2-spiro-1'-(2'-isovaleroxyc

Inchi: InChI=1S/C17H26O2/c1-12(2)9-16(18)19-15-5-3-4-8-17(15)11-13-6-7-14(17)10-13/h6-7,
InchiKey: LOWYXDMTFRLVBY-UHFFFAOYSA-N
Formula: C17H26O2
SMILES: CC(C)CC(=O)OC1CCCCC12CC1C=CC2C1
Mol. weight [g/mol]: 262.39

Physical Properties

Property code	Value	Unit	Source
gf	18.61	kJ/mol	Joback Method
hf	-391.69	kJ/mol	Joback Method
hfus	23.15	kJ/mol	Joback Method
hvap	61.29	kJ/mol	Joback Method
log10ws	-4.48		Crippen Method
logp	4.101		Crippen Method
mcvol	220.950	ml/mol	McGowan Method
pc	1918.62	kPa	Joback Method
rinpol	1798.90		NIST Webbook
rinpol	1798.90		NIST Webbook
rinpol	1806.30		NIST Webbook
ripol	2211.20		NIST Webbook
ripol	2224.00		NIST Webbook
ripol	2211.20		NIST Webbook
tb	691.97	K	Joback Method
tc	915.55	K	Joback Method
tf	402.19	K	Joback Method
vc	0.836	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	674.50	J/mol×K	691.97	Joback Method
cpg	696.40	J/mol×K	729.23	Joback Method
cpg	717.11	J/mol×K	766.50	Joback Method
cpg	736.82	J/mol×K	803.76	Joback Method

cpg	755.72	J/mol×K	841.02	Joback Method
cpg	773.99	J/mol×K	878.29	Joback Method
cpg	791.84	J/mol×K	915.55	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R327801&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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