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

Inchi: InChI=1S/C14H20O2/c1-10(15)16-13-4-2-3-7-14(13)9-11-5-6-12(14)8-11/h5-6,11-13H,2-
InchiKey: HEXQELLSZNDDTC-UHFFFAOYSA-N
Formula: C14H20O2
SMILES: CC(=O)OC1CCCCC12CC1C=CC2C1
Mol. weight [g/mol]: 220.31

Physical Properties

Property code	Value	Unit	Source
gf	-4.21	kJ/mol	Joback Method
hf	-324.49	kJ/mol	Joback Method
hfus	18.90	kJ/mol	Joback Method
hvap	55.00	kJ/mol	Joback Method
log10ws	-3.47		Crippen Method
logp	3.075		Crippen Method
mcvol	178.680	ml/mol	McGowan Method
pc	2492.52	kPa	Joback Method
rinpol	1583.70		NIST Webbook
rinpol	1590.60		NIST Webbook
ripol	2079.40		NIST Webbook
ripol	2091.70		NIST Webbook
tb	623.77	K	Joback Method
tc	855.71	K	Joback Method
tf	383.38	K	Joback Method
vc	0.673	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	509.86	J/mol×K	623.77	Joback Method
cpg	530.65	J/mol×K	662.43	Joback Method
cpg	550.08	J/mol×K	701.08	Joback Method
cpg	568.36	J/mol×K	739.74	Joback Method
cpg	585.68	J/mol×K	778.39	Joback Method
cpg	602.24	J/mol×K	817.05	Joback Method

cpg	618.24	J/mol×K	855.71	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=R327772&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