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

Inchi: InChI=1S/C15H22O2/c1-2-14(16)17-13-5-3-4-8-15(13)10-11-6-7-12(15)9-11/h6-7,11-13H
InchiKey: GOKVJHQIBPVDPK-UHFFFAOYSA-N
Formula: C15H22O2
SMILES: CCC(=O)OC1CCCCC12CC1C=CC2C1
Mol. weight [g/mol]: 234.33

Physical Properties

Property code	Value	Unit	Source
gf	4.21	kJ/mol	Joback Method
hf	-345.13	kJ/mol	Joback Method
hfus	21.49	kJ/mol	Joback Method
hvap	57.23	kJ/mol	Joback Method
log10ws	-3.89		Crippen Method
logp	3.465		Crippen Method
mcvol	192.770	ml/mol	McGowan Method
pc	2269.73	kPa	Joback Method
rinpol	1670.40		NIST Webbook
rinpol	1670.40		NIST Webbook
rinpol	1677.50		NIST Webbook
ripol	2146.60		NIST Webbook
ripol	2157.00		NIST Webbook
ripol	2146.60		NIST Webbook
tb	646.65	K	Joback Method
tc	874.09	K	Joback Method
tf	394.65	K	Joback Method
vc	0.730	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	563.33	J/mol×K	646.65	Joback Method
cpg	584.37	J/mol×K	684.56	Joback Method
cpg	604.14	J/mol×K	722.46	Joback Method
cpg	622.81	J/mol×K	760.37	Joback Method

cpg	640.59	J/mol×K	798.28	Joback Method
cpg	657.66	J/mol×K	836.18	Joback Method
cpg	674.22	J/mol×K	874.09	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=R327821&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