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

Inchi: InChI=1S/C17H26O2/c1-2-3-7-16(18)19-15-6-4-5-10-17(15)12-13-8-9-14(17)11-13/h8-9,
InchiKey: DZVHVIHKIXUOAT-UHFFFAOYSA-N
Formula: C17H26O2
SMILES: CCCCC(=O)OC1CCCCC12CC1C=CC2C1
Mol. weight [g/mol]: 262.39

Physical Properties

Property code	Value	Unit	Source
gf	21.05	kJ/mol	Joback Method
hf	-386.41	kJ/mol	Joback Method
hfus	26.67	kJ/mol	Joback Method
hvap	61.68	kJ/mol	Joback Method
log10ws	-4.73		Crippen Method
logp	4.245		Crippen Method
mcvol	220.950	ml/mol	McGowan Method
pc	1905.24	kPa	Joback Method
rinpol	1851.10		NIST Webbook
rinpol	1844.10		NIST Webbook
rinpol	1844.10		NIST Webbook
ripol	2281.30		NIST Webbook
ripol	2281.30		NIST Webbook
ripol	2288.10		NIST Webbook
tb	692.41	K	Joback Method
tc	911.85	K	Joback Method
tf	417.19	K	Joback Method
vc	0.842	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	674.05	J/mol×K	692.41	Joback Method
cpg	695.51	J/mol×K	728.98	Joback Method
cpg	715.85	J/mol×K	765.56	Joback Method
cpg	735.22	J/mol×K	802.13	Joback Method

cpg	753.82	J/mol×K	838.70	Joback Method
cpg	771.82	J/mol×K	875.27	Joback Method
cpg	789.40	J/mol×K	911.85	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R327836&Units=SI

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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