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

Inchi: InChI=1S/C17H26O2/c1-3-12(2)16(18)19-15-6-4-5-9-17(15)11-13-7-8-14(17)10-13/h7-8,
InchiKey: CRCOSNYRWAMFKA-UHFFFAOYSA-N
Formula: C17H26O2
SMILES: CCC(C)C(=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	1806.30		NIST Webbook
ripol	2211.20		NIST Webbook
ripol	2224.00		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=R327816&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