exo-Tricyclo[6,2,1,0(2,6)]dec-4-en-8-«alpha»-ol

Inchi: InChI=1S/C10H14O/c11-10-5-6-4-9(10)8-3-1-2-7(6)8/h1,3,6-11H,2,4-5H2/t6?,7-,8-,9?,10
InchiKey: LDUKQFUHJZHLRC-KNJCMARUSA-N
Formula: C10H14O
SMILES: OC1CC2CC1C1C=CCC21
Mol. weight [g/mol]: 150.22

Physical Properties

Property code	Value	Unit	Source
gf	81.19	kJ/mol	Joback Method
hf	-172.62	kJ/mol	Joback Method
hfus	21.41	kJ/mol	Joback Method
hvap	54.12	kJ/mol	Joback Method
log10ws	-1.95		Crippen Method
logp	1.579		Crippen Method
mcvol	120.750	ml/mol	McGowan Method
pc	3456.14	kPa	Joback Method
rinpol	1278.00		NIST Webbook
rinpol	1278.00		NIST Webbook
ripol	1972.00		NIST Webbook
ripol	1972.00		NIST Webbook
tb	534.69	K	Joback Method
tc	736.28	K	Joback Method
tf	305.86	K	Joback Method
vc	0.462	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	322.98	J/mol×K	534.69	Joback Method
cpg	393.31	J/mol×K	702.68	Joback Method
cpg	381.07	J/mol×K	669.08	Joback Method
cpg	368.00	J/mol×K	635.48	Joback Method
cpg	354.01	J/mol×K	601.89	Joback Method
cpg	339.03	J/mol×K	568.29	Joback Method

cpg	404.78	J/mol×K	736.28	Joback Method
dvisc	0.0010776	Pa×s	534.69	Joback Method
dvisc	0.0012524	Pa×s	496.55	Joback Method
dvisc	0.0014924	Pa×s	458.41	Joback Method
dvisc	0.0018359	Pa×s	420.28	Joback Method
dvisc	0.0023537	Pa×s	382.14	Joback Method
dvisc	0.0031885	Pa×s	344.00	Joback Method
dvisc	0.0046592	Pa×s	305.86	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=R386320&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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