exo-Tricyclo[6,2,1,0(2,6)]dec-3-en-8-«alpha»-ol, acetate

Inchi: InChI=1S/C12H16O2/c1-7(13)14-12-6-8-5-11(12)10-4-2-3-9(8)10/h2-3,8-12H,4-6H2,1H3
InchiKey: RGVQNSFGUOIKFF-MNALBRSASA-N
Formula: C12H16O2
SMILES: CC(=O)OC1CC2CC1C1CC=CC21
Mol. weight [g/mol]: 192.25

Physical Properties

Property code	Value	Unit	Source
gf	0.93	kJ/mol	Joback Method
hf	-306.47	kJ/mol	Joback Method
hfus	25.29	kJ/mol	Joback Method
hvap	51.05	kJ/mol	Joback Method
log10ws	-2.39		Crippen Method
logp	2.150		Crippen Method
mcvol	150.500	ml/mol	McGowan Method
pc	2659.77	kPa	Joback Method
rinpol	1395.00		NIST Webbook
rinpol	1395.00		NIST Webbook
ripol	1871.00		NIST Webbook
tb	564.56	K	Joback Method
tc	780.81	K	Joback Method
tf	339.74	K	Joback Method
vc	0.579	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	407.03	J/mol×K	564.56	Joback Method
cpg	425.84	J/mol×K	600.60	Joback Method
cpg	443.41	J/mol×K	636.64	Joback Method
cpg	459.82	J/mol×K	672.68	Joback Method
cpg	475.14	J/mol×K	708.72	Joback Method
cpg	489.45	J/mol×K	744.76	Joback Method
cpg	502.84	J/mol×K	780.81	Joback Method

dvisc	0.0018650	Pa×s	339.74	Joback Method
dvisc	0.0019297	Pa×s	377.21	Joback Method
dvisc	0.0019844	Pa×s	414.68	Joback Method
dvisc	0.0020312	Pa×s	452.15	Joback Method
dvisc	0.0020717	Pa×s	489.62	Joback Method
dvisc	0.0021070	Pa×s	527.09	Joback Method
dvisc	0.0021382	Pa×s	564.56	Joback Method

Sources

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=R386286&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.