

exo-Tricyclo[6,2,1,0(2,6)]dec-3-en-8-«beta»-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-MUVKAJBYSAN
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	1403.00		NIST Webbook
ripol	1880.00		NIST Webbook
tb	564.56	K	Joback Method
tc	780.81	K	Joback Method
tf	339.74	K	Joback Method
vc	0.579	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	407.03	J/molxK	564.56	Joback Method
cpg	425.84	J/molxK	600.60	Joback Method
cpg	443.41	J/molxK	636.64	Joback Method
cpg	459.82	J/molxK	672.68	Joback Method
cpg	475.14	J/molxK	708.72	Joback Method
cpg	489.45	J/molxK	744.76	Joback Method
cpg	502.84	J/molxK	780.81	Joback Method
dvisc	0.0018650	Paxs	339.74	Joback Method

dvisc	0.0019297	Paxs	377.21	Joback Method
dvisc	0.0019844	Paxs	414.68	Joback Method
dvisc	0.0020312	Paxs	452.15	Joback Method
dvisc	0.0020717	Paxs	489.62	Joback Method
dvisc	0.0021070	Paxs	527.09	Joback Method
dvisc	0.0021382	Paxs	564.56	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=R386300&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

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