3',6'-Diacetoxybenzonorbornadiene

Inchi:	InChI=1S/C15H14O4/c1-8(16)18-12-5-6-13(19-9(2)17)15-11-4-3-10(7-11)14(12)15/h3-6,
InchiKey:	GHNDBDFQIQQOER-UHFFFAOYSA-N
Formula:	C15H14O4
SMILES:	CC(=O)Oc1ccc(OC(C)=O)c2c1C1C=CC2C1
Mol. weight [g/mol]:	258.27
CAS:	7213-65-2

Physical Properties

Property code	Value	Unit	Source
gf	-145.34	kJ/mol	Joback Method
hf	-430.87	kJ/mol	Joback Method
hfus	32.65	kJ/mol	Joback Method
hvap	71.50	kJ/mol	Joback Method
log10ws	-3.69		Crippen Method
logp	2.678		Crippen Method
mcvol	187.310	ml/mol	McGowan Method
pc	2477.65	kPa	Joback Method
tb	745.17	K	Joback Method
tc	969.93	K	Joback Method
tf	507.27	K	Joback Method
vc	0.724	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	531.28	J/mol×K	745.17	Joback Method
cpg	589.95	J/mol×K	932.47	Joback Method
cpg	579.69	J/mol×K	895.01	Joback Method
cpg	568.76	J/mol×K	857.55	Joback Method
cpg	557.10	J/mol×K	820.09	Joback Method
cpg	544.63	J/mol×K	782.63	Joback Method
cpg	599.61	J/mol×K	969.93	Joback Method
dvisc	0.0012629	Pa×s	745.17	Joback Method
dvisc	0.0013616	Pa×s	705.52	Joback Method

dvisc	0.0014813	Pa×s	665.87	Joback Method
dvisc	0.0016288	Pa×s	626.22	Joback Method
dvisc	0.0018141	Pa×s	586.57	Joback Method
dvisc	0.0020523	Pa×s	546.92	Joback Method
dvisc	0.0023670	Pa×s	507.27	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7213652&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
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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