CH3C(O)OCH(CH3)C(O)CH3

Other names:	2-Acetoxy-3-butanone
	3-acetoxy-2-butanone
	2-Butanon-3-ol, acetate
	3-(acetyloxy)-2-butanone
	2-Ketobutan-3-yl acetate
	3-oxo-2-butyl acetate
	2-Butanone, 3-(acetyloxy)-
	Acetoin Acetate
	3-oxobutan-2-yl acetate
Inchi:	InChI=1S/C6H10O3/c1-4(7)5(2)9-6(3)8/h5H,1-3H3
InchiKey:	ZKPTYCJWRHHBOW-UHFFFAOYSA-N
Formula:	C6H10O3
SMILES:	CC(=O)OC(C)C(C)=O
Mol. weight [g/mol]:	130.14
CAS:	4906-24-5

Physical Properties

Property code	Value	Unit	Source
gf	-365.64	kJ/mol	Joback Method
hf	-529.83	kJ/mol	Joback Method
hfus	12.16	kJ/mol	Joback Method
hvap	44.46	kJ/mol	Joback Method
log10ws	-0.59		Crippen Method
logp	0.527		Crippen Method
mcvol	104.410	ml/mol	McGowan Method
pc	3555.77	kPa	Joback Method
rinpol	856.00		NIST Webbook
rinpol	888.00		NIST Webbook
rinpol	855.00		NIST Webbook
rinpol	852.00		NIST Webbook
rinpol	888.00		NIST Webbook
rinpol	856.00		NIST Webbook
ripol	1378.00		NIST Webbook
ripol	1389.00		NIST Webbook
ripol	1377.00		NIST Webbook
ripol	1358.00		NIST Webbook
ripol	1389.00		NIST Webbook

ripol	1361.00		NIST Webbook
tb	466.40	K	Joback Method
tc	659.46	K	Joback Method
tf	264.47	K	Joback Method
vc	0.396	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	215.20	J/mol×K	466.40	Joback Method
cpg	224.83	J/mol×K	498.58	Joback Method
cpg	234.10	J/mol×K	530.75	Joback Method
cpg	243.00	J/mol×K	562.93	Joback Method
cpg	251.53	J/mol×K	595.11	Joback Method
cpg	259.68	J/mol×K	627.28	Joback Method
cpg	267.46	J/mol×K	659.46	Joback Method
dvisc	0.0036503	Pa×s	264.47	Joback Method
dvisc	0.0019016	Pa×s	298.12	Joback Method
dvisc	0.0011308	Pa×s	331.78	Joback Method
dvisc	0.0007400	Pa×s	365.44	Joback Method
dvisc	0.0005201	Pa×s	399.09	Joback Method
dvisc	0.0003862	Pa×s	432.75	Joback Method
dvisc	0.0002994	Pa×s	466.40	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4906245&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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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