Cyclopropanecarboxylic acid, 2,3-dimethyl-, methyl ester

Inchi: InChI=1S/C7H12O2/c1-4-5(2)6(4)7(8)9-3/h4-6H,1-3H3
InchiKey: KQVXZDVLCHFJMZ-UHFFFAOYSA-N
Formula: C7H12O2
SMILES: COC(=O)C1C(C)C1C
Mol. weight [g/mol]: 128.17
CAS: 72258-11-8

Physical Properties

Property code	Value	Unit	Source
gf	-180.53	kJ/mol	Joback Method
hf	-400.49	kJ/mol	Joback Method
hfus	16.95	kJ/mol	Joback Method
hvap	39.63	kJ/mol	Joback Method
log10ws	-0.78		Crippen Method
logp	1.061		Crippen Method
mcvol	106.070	ml/mol	McGowan Method
pc	3156.17	kPa	Joback Method
tb	433.25	K	Joback Method
tc	623.25	K	Joback Method
tf	250.27	K	Joback Method
vc	0.406	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	224.67	J/mol×K	433.25	Joback Method
cpg	237.46	J/mol×K	464.92	Joback Method
cpg	249.73	J/mol×K	496.58	Joback Method
cpg	261.47	J/mol×K	528.25	Joback Method
cpg	272.70	J/mol×K	559.92	Joback Method
cpg	283.43	J/mol×K	591.58	Joback Method
cpg	293.66	J/mol×K	623.25	Joback Method
dvisc	0.0007590	Pa×s	250.27	Joback Method
dvisc	0.0006586	Pa×s	280.77	Joback Method

dvisc	0.0005877	Pa×s	311.26	Joback Method
dvisc	0.0005352	Pa×s	341.76	Joback Method
dvisc	0.0004949	Pa×s	372.26	Joback Method
dvisc	0.0004631	Pa×s	402.75	Joback Method
dvisc	0.0004374	Pa×s	433.25	Joback Method

Sources

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=C72258118&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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