But-3-enyl ethyl carbonate

Inchi: InChI=1S/C7H12O3/c1-3-5-6-10-7(8)9-4-2/h3H,1,4-6H2,2H3
InchiKey: ITTRDLLFMNAORT-UHFFFAOYSA-N
Formula: C7H12O3
SMILES: C=CCCOC(=O)OCC
Mol. weight [g/mol]: 144.17

Physical Properties

Property code	Value	Unit	Source
gf	-243.02	kJ/mol	Joback Method
hf	-439.40	kJ/mol	Joback Method
hfus	16.58	kJ/mol	Joback Method
hvap	42.07	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	1.736		Crippen Method
mcvol	118.500	ml/mol	McGowan Method
pc	3022.28	kPa	Joback Method
rinpol	962.00		NIST Webbook
tb	454.95	K	Joback Method
tc	634.51	K	Joback Method
tf	261.28	K	Joback Method
vc	0.451	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	245.27	J/mol×K	454.95	Joback Method
cpg	255.58	J/mol×K	484.88	Joback Method
cpg	265.55	J/mol×K	514.80	Joback Method
cpg	275.20	J/mol×K	544.73	Joback Method
cpg	284.52	J/mol×K	574.65	Joback Method
cpg	293.49	J/mol×K	604.58	Joback Method
cpg	302.12	J/mol×K	634.51	Joback Method
dvisc	0.0022166	Pa×s	261.28	Joback Method
dvisc	0.0012324	Pa×s	293.56	Joback Method

dvisc	0.0007698	Pa×s	325.84	Joback Method
dvisc	0.0005234	Pa×s	358.12	Joback Method
dvisc	0.0003793	Pa×s	390.39	Joback Method
dvisc	0.0002887	Pa×s	422.67	Joback Method
dvisc	0.0002284	Pa×s	454.95	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=U373773&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume