Allyl dibromoacetate

Inchi: InChI=1S/C5H6Br2O2/c1-2-3-9-5(8)4(6)7/h2,4H,1,3H2
InchiKey: BQKSBGWDSUKUDU-UHFFFAOYSA-N
Formula: C5H6Br2O2
SMILES: C=CCOC(=O)C(Br)Br
Mol. weight [g/mol]: 257.91

Physical Properties

Property code	Value	Unit	Source
gf	-128.66	kJ/mol	Joback Method
hf	-218.52	kJ/mol	Joback Method
hfus	17.26	kJ/mol	Joback Method
hvap	47.69	kJ/mol	Joback Method
log10ws	-2.10		Crippen Method
logp	1.831		Crippen Method
mcvol	119.450	ml/mol	McGowan Method
pc	4665.71	kPa	Joback Method
rinpol	1114.00		NIST Webbook
ripol	1742.00		NIST Webbook
tb	518.65	K	Joback Method
tc	740.81	K	Joback Method
tf	321.11	K	Joback Method
vc	0.439	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	208.65	J/mol×K	518.65	Joback Method
cpg	216.10	J/mol×K	555.68	Joback Method
cpg	223.09	J/mol×K	592.70	Joback Method
cpg	229.63	J/mol×K	629.73	Joback Method
cpg	235.74	J/mol×K	666.75	Joback Method
cpg	241.44	J/mol×K	703.78	Joback Method
cpg	246.76	J/mol×K	740.81	Joback Method
dvisc	0.0025137	Pa×s	321.11	Joback Method

dvisc	0.0015401	Pa×s	354.03	Joback Method
dvisc	0.0010256	Pa×s	386.96	Joback Method
dvisc	0.0007279	Pa×s	419.88	Joback Method
dvisc	0.0005431	Pa×s	452.80	Joback Method
dvisc	0.0004216	Pa×s	485.73	Joback Method
dvisc	0.0003380	Pa×s	518.65	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R26617&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
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