2-Methoxy-3-(o-methoxyphenyl)propene

Inchi: InChI=1S/C11H14O2/c1-9(12-2)8-10-6-4-5-7-11(10)13-3/h4-7H,1,8H2,2-3H3
InchiKey: LMZLAMAUGKFQPX-UHFFFAOYSA-N
Formula: C11H14O2
SMILES: C=C(Cc1ccccc1OC)OC
Mol. weight [g/mol]: 178.23
CAS: 101968-77-8

Physical Properties

Property code	Value	Unit	Source
gf	13.81	kJ/mol	Joback Method
hf	-194.11	kJ/mol	Joback Method
hfus	17.68	kJ/mol	Joback Method
hvap	47.25	kJ/mol	Joback Method
log10ws	-2.67		Crippen Method
logp	2.398		Crippen Method
mcvol	149.530	ml/mol	McGowan Method
pc	2643.39	kPa	Joback Method
tb	524.14	K	Joback Method
tc	731.97	K	Joback Method
tf	281.41	K	Joback Method
vc	0.561	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	332.37	J/mol×K	524.14	Joback Method
cpg	346.92	J/mol×K	558.78	Joback Method
cpg	360.77	J/mol×K	593.42	Joback Method
cpg	373.92	J/mol×K	628.06	Joback Method
cpg	386.39	J/mol×K	662.70	Joback Method
cpg	398.18	J/mol×K	697.34	Joback Method
cpg	409.29	J/mol×K	731.97	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C101968778&Units=SI

Legend

cpg:	Ideal gas heat capacity
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