Succinic acid, di(4-bromo-2-methoxyphenyl) ester

Inchi: InChI=1S/C18H16Br2O6/c1-23-15-9-11(19)3-5-13(15)25-17(21)7-8-18(22)26-14-6-4-12(
InchiKey: CWFDPZOIJYPIDK-UHFFFAOYSA-N
Formula: C18H16Br2O6
SMILES: COc1cc(Br)ccc1OC(=O)CCC(=O)Oc1ccc(Br)cc1OC
Mol. weight [g/mol]: 488.12

Physical Properties

Property code	Value	Unit	Source
gf	-362.22	kJ/mol	Joback Method
hf	-689.05	kJ/mol	Joback Method
hfus	47.42	kJ/mol	Joback Method
hvap	98.86	kJ/mol	Joback Method
log10ws	-6.31		Crippen Method
logp	4.520		Crippen Method
mcvol	278.580	ml/mol	McGowan Method
pc	2167.36	kPa	Joback Method
rinpol	3230.00		NIST Webbook
rinpol	3230.00		NIST Webbook
tb	1014.26	K	Joback Method
tc	1261.00	K	Joback Method
tf	703.92	K	Joback Method
vc	1.036	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	771.97	J/mol×K	1014.26	Joback Method
cpg	779.69	J/mol×K	1055.38	Joback Method
cpg	785.87	J/mol×K	1096.51	Joback Method
cpg	790.49	J/mol×K	1137.63	Joback Method
cpg	793.55	J/mol×K	1178.75	Joback Method
cpg	795.04	J/mol×K	1219.88	Joback Method
cpg	794.97	J/mol×K	1261.00	Joback Method
dvisc	0.0001171	Pa×s	703.92	Joback Method

dvisc	0.0000840	Pa×s	755.64	Joback Method
dvisc	0.0000629	Pa×s	807.37	Joback Method
dvisc	0.0000487	Pa×s	859.09	Joback Method
dvisc	0.0000389	Pa×s	910.81	Joback Method
dvisc	0.0000318	Pa×s	962.54	Joback Method
dvisc	0.0000265	Pa×s	1014.26	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=U390927&Units=SI

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