2,6-Dibromo-4-methoxytoluene

Other names:	Anisole, 3,5-dibromo-4-methyl- 3,5-dibromo-4-methylanisole
Inchi:	InChI=1S/C8H8Br2O/c1-5-7(9)3-6(11-2)4-8(5)10/h3-4H,1-2H3
InchiKey:	BZRKRRXRNGVEIZ-UHFFFAOYSA-N
Formula:	C8H8Br2O
SMILES:	COc1cc(Br)c(C)c(Br)c1
Mol. weight [g/mol]:	279.96
CAS:	14542-71-3

Physical Properties

Property code	Value	Unit	Source
gf	23.64	kJ/mol	Joback Method
hf	-85.89	kJ/mol	Joback Method
hfus	21.11	kJ/mol	Joback Method
hvap	52.94	kJ/mol	Joback Method
log10ws	-4.39		Crippen Method
logp	3.529		Crippen Method
mcvol	140.690	ml/mol	McGowan Method
pc	4010.84	kPa	Joback Method
tb	578.80	K	Joback Method
tc	823.29	K	Joback Method
tf	385.73	K	Joback Method
vc	0.517	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	265.05	J/mol×K	578.80	Joback Method
cpg	308.88	J/mol×K	782.54	Joback Method
cpg	301.25	J/mol×K	741.79	Joback Method
cpg	293.08	J/mol×K	701.04	Joback Method
cpg	284.33	J/mol×K	660.30	Joback Method
cpg	275.00	J/mol×K	619.55	Joback Method
cpg	315.97	J/mol×K	823.29	Joback Method

dvisc	0.0002252	Pa×s	578.80	Joback Method
dvisc	0.0002659	Pa×s	546.62	Joback Method
dvisc	0.0003207	Pa×s	514.44	Joback Method
dvisc	0.0003964	Pa×s	482.26	Joback Method
dvisc	0.0005051	Pa×s	450.09	Joback Method
dvisc	0.0006682	Pa×s	417.91	Joback Method
dvisc	0.0009260	Pa×s	385.73	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14542713&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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