Benzene, 4-bromo-1,2-dimethoxy-

Other names:	1-Bromo-3,4-dimethoxybenzene
	4-Bromo-1,2-dimethoxybenzene
	4-Bromoveratrole
	3,4-Dimethoxybromobenzene
	3,4-Dimethoxyphenyl bromide
	p-Bromoveratrole
	4-Bromoguaiacol, methyl ether
	Bromoveratrole
Inchi:	InChI=1S/C8H9BrO2/c1-10-7-4-3-6(9)5-8(7)11-2/h3-5H,1-2H3
InchiKey:	KBTMGSMZIKLAHN-UHFFFAOYSA-N
Formula:	C8H9BrO2
SMILES:	COc1ccc(Br)cc1OC
Mol. weight [g/mol]:	217.06
CAS:	2859-78-1

Physical Properties

Property code	Value	Unit	Source
gf	-86.05	kJ/mol	Joback Method
hf	-232.97	kJ/mol	Joback Method
hfus	17.40	kJ/mol	Joback Method
hvap	48.26	kJ/mol	Joback Method
log10ws	-2.87		Crippen Method
logp	2.466		Crippen Method
mcvol	129.060	ml/mol	McGowan Method
pc	3673.09	kPa	Joback Method
rinpol	1423.70		NIST Webbook
rinpol	1423.70		NIST Webbook
tb	528.70	K	NIST Webbook
tc	755.88	K	Joback Method
tf	335.64	K	Joback Method
vc	0.473	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	256.01	J/mol×K	530.08	Joback Method
cpg	266.93	J/mol×K	567.71	Joback Method
cpg	277.32	J/mol×K	605.35	Joback Method
cpg	287.19	J/mol×K	642.98	Joback Method
cpg	296.52	J/mol×K	680.61	Joback Method
cpg	305.31	J/mol×K	718.25	Joback Method
cpg	313.56	J/mol×K	755.88	Joback Method
dvisc	0.0010073	Pa×s	335.64	Joback Method
dvisc	0.0006754	Pa×s	368.05	Joback Method
dvisc	0.0004832	Pa×s	400.45	Joback Method
dvisc	0.0003634	Pa×s	432.86	Joback Method
dvisc	0.0002844	Pa×s	465.27	Joback Method
dvisc	0.0002298	Pa×s	497.67	Joback Method
dvisc	0.0001906	Pa×s	530.08	Joback Method

Sources

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=C2859781&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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