2-Bromobenzyl alcohol, 2-methylpropyl ether

Inchi: InChI=1S/C11H15BrO/c1-9(2)7-13-8-10-5-3-4-6-11(10)12/h3-6,9H,7-8H2,1-2H3
InchiKey: SDHOXPABQZEJNM-UHFFFAOYSA-N
Formula: C11H15BrO
SMILES: CC(C)COCc1ccccc1Br
Mol. weight [g/mol]: 243.14

Physical Properties

Property code	Value	Unit	Source
gf	51.40	kJ/mol	Joback Method
hf	-156.48	kJ/mol	Joback Method
hfus	20.85	kJ/mol	Joback Method
hvap	51.48	kJ/mol	Joback Method
log10ws	-4.03		Crippen Method
logp	3.622		Crippen Method
mcvol	165.460	ml/mol	McGowan Method
pc	2775.92	kPa	Joback Method
rinpol	1476.00		NIST Webbook
tb	570.88	K	Joback Method
tc	791.16	K	Joback Method
tf	319.70	K	Joback Method
vc	0.618	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	368.86	J/mol×K	570.88	Joback Method
cpg	383.64	J/mol×K	607.59	Joback Method
cpg	397.55	J/mol×K	644.31	Joback Method
cpg	410.62	J/mol×K	681.02	Joback Method
cpg	422.89	J/mol×K	717.73	Joback Method
cpg	434.38	J/mol×K	754.45	Joback Method
cpg	445.12	J/mol×K	791.16	Joback Method
dvisc	0.0019905	Pa×s	319.70	Joback Method
dvisc	0.0010473	Pa×s	361.56	Joback Method

dvisc	0.0006296	Pa×s	403.43	Joback Method
dvisc	0.0004165	Pa×s	445.29	Joback Method
dvisc	0.0002958	Pa×s	487.15	Joback Method
dvisc	0.0002218	Pa×s	529.02	Joback Method
dvisc	0.0001735	Pa×s	570.88	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U378180&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume