2-Bromobenzyl alcohol, 3-methylbutyl ether

Inchi: InChI=1S/C12H17BrO/c1-10(2)7-8-14-9-11-5-3-4-6-12(11)13/h3-6,10H,7-9H2,1-2H3
InchiKey: WYYVYGQLVMHZEO-UHFFFAOYSA-N
Formula: C12H17BrO
SMILES: CC(C)CCOCc1ccccc1Br
Mol. weight [g/mol]: 257.17

Physical Properties

Property code	Value	Unit	Source
gf	59.82	kJ/mol	Joback Method
hf	-177.12	kJ/mol	Joback Method
hfus	23.44	kJ/mol	Joback Method
hvap	53.70	kJ/mol	Joback Method
log10ws	-4.45		Crippen Method
logp	4.012		Crippen Method
mcvol	179.550	ml/mol	McGowan Method
pc	2515.07	kPa	Joback Method
rinpol	1590.00		NIST Webbook
tb	593.76	K	Joback Method
tc	810.17	K	Joback Method
tf	330.97	K	Joback Method
vc	0.673	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	416.98	J/mol×K	593.76	Joback Method
cpg	485.77	J/mol×K	774.10	Joback Method
cpg	473.69	J/mol×K	738.04	Joback Method
cpg	460.81	J/mol×K	701.97	Joback Method
cpg	447.08	J/mol×K	665.90	Joback Method
cpg	432.48	J/mol×K	629.83	Joback Method
cpg	497.07	J/mol×K	810.17	Joback Method
dvisc	0.0001563	Pa×s	593.76	Joback Method
dvisc	0.0002008	Pa×s	549.96	Joback Method

dvisc	0.0002694	Pa×s	506.16	Joback Method
dvisc	0.0003821	Pa×s	462.37	Joback Method
dvisc	0.0005830	Pa×s	418.57	Joback Method
dvisc	0.0009820	Pa×s	374.77	Joback Method
dvisc	0.0018986	Pa×s	330.97	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=U378187&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