2-Bromobenzyl alcohol, isopropyl ether

Inchi: InChI=1S/C10H13BrO/c1-8(2)12-7-9-5-3-4-6-10(9)11/h3-6,8H,7H2,1-2H3
InchiKey: GRVVRTKOGFUJML-UHFFFAOYSA-N
Formula: C10H13BrO
SMILES: CC(C)OCc1ccccc1Br
Mol. weight [g/mol]: 229.11

Physical Properties

Property code	Value	Unit	Source
gf	42.98	kJ/mol	Joback Method
hf	-135.84	kJ/mol	Joback Method
hfus	18.26	kJ/mol	Joback Method
hvap	49.25	kJ/mol	Joback Method
log10ws	-3.97		Crippen Method
logp	3.374		Crippen Method
mcvol	151.370	ml/mol	McGowan Method
pc	3079.57	kPa	Joback Method
rinpol	1371.00		NIST Webbook
tb	548.00	K	Joback Method
tc	772.32	K	Joback Method
tf	308.43	K	Joback Method
vc	0.561	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	322.42	J/mol×K	548.00	Joback Method
cpg	384.12	J/mol×K	734.93	Joback Method
cpg	373.32	J/mol×K	697.55	Joback Method
cpg	361.77	J/mol×K	660.16	Joback Method
cpg	349.46	J/mol×K	622.77	Joback Method
cpg	336.35	J/mol×K	585.39	Joback Method
cpg	394.20	J/mol×K	772.32	Joback Method
dvisc	0.0001912	Pa×s	548.00	Joback Method
dvisc	0.0002433	Pa×s	508.07	Joback Method

dvisc	0.0003225	Pa×s	468.14	Joback Method
dvisc	0.0004505	Pa×s	428.22	Joback Method
dvisc	0.0006742	Pa×s	388.29	Joback Method
dvisc	0.0011067	Pa×s	348.36	Joback Method
dvisc	0.0020654	Pa×s	308.43	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=U378181&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