2-Bromobenzyl alcohol, n-butyl ether

Inchi: InChI=1S/C11H15BrO/c1-2-3-8-13-9-10-6-4-5-7-11(10)12/h4-7H,2-3,8-9H2,1H3
InchiKey: SDHNQKGFIDUIMM-UHFFFAOYSA-N
Formula: C11H15BrO
SMILES: CCCCOCc1ccccc1Br
Mol. weight [g/mol]: 243.14

Physical Properties

Property code	Value	Unit	Source
gf	53.84	kJ/mol	Joback Method
hf	-151.20	kJ/mol	Joback Method
hfus	24.37	kJ/mol	Joback Method
hvap	51.86	kJ/mol	Joback Method
log10ws	-4.28		Crippen Method
logp	3.766		Crippen Method
mcvol	165.460	ml/mol	McGowan Method
pc	2752.67	kPa	Joback Method
rinpol	1528.00		NIST Webbook
rinpol	1528.00		NIST Webbook
tb	571.32	K	Joback Method
tc	786.92	K	Joback Method
tf	334.70	K	Joback Method
vc	0.624	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	368.48	J/mol×K	571.32	Joback Method
cpg	432.58	J/mol×K	750.98	Joback Method
cpg	421.29	J/mol×K	715.05	Joback Method
cpg	409.26	J/mol×K	679.12	Joback Method
cpg	396.47	J/mol×K	643.19	Joback Method
cpg	382.88	J/mol×K	607.25	Joback Method
cpg	443.16	J/mol×K	786.92	Joback Method
dvisc	0.0001852	Pa×s	571.32	Joback Method

dvisc	0.0002320	Pa×s	531.88	Joback Method
dvisc	0.0003012	Pa×s	492.45	Joback Method
dvisc	0.0004094	Pa×s	453.01	Joback Method
dvisc	0.0005898	Pa×s	413.57	Joback Method
dvisc	0.0009179	Pa×s	374.14	Joback Method
dvisc	0.0015854	Pa×s	334.70	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U378183&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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

Latest version available from:
https://www.chemeo.com/cid/66-927-0/2-Bromobenzyl-alcohol-n-butyl-ether.pdf
Generated by Cheméo on 2025-12-05 09:21:52.724847683 +0000 UTC m=+4674710.254888337.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.