2-Chloro-6-fluorobenzyl alcohol, isopropyl ether

Inchi: InChI=1S/C10H12ClFO/c1-7(2)13-6-8-9(11)4-3-5-10(8)12/h3-5,7H,6H2,1-2H3
InchiKey: LCAGIUAMUFTSHZ-UHFFFAOYSA-N
Formula: C10H12ClFO
SMILES: CC(C)OCc1c(F)cccc1Cl
Mol. weight [g/mol]: 202.65

Physical Properties

Property code	Value	Unit	Source
gf	-187.71	kJ/mol	Joback Method
hf	-385.49	kJ/mol	Joback Method
hfus	19.86	kJ/mol	Joback Method
hvap	47.04	kJ/mol	Joback Method
log10ws	-3.82		Crippen Method
logp	3.404		Crippen Method
mcvol	147.880	ml/mol	McGowan Method
pc	2581.96	kPa	Joback Method
rinpol	1264.00		NIST Webbook
tb	523.52	K	Joback Method
tc	728.35	K	Joback Method
tf	291.66	K	Joback Method
vc	0.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	318.00	J/mol×K	523.52	Joback Method
cpg	330.99	J/mol×K	557.66	Joback Method
cpg	343.33	J/mol×K	591.80	Joback Method
cpg	355.05	J/mol×K	625.94	Joback Method
cpg	366.14	J/mol×K	660.07	Joback Method
cpg	376.62	J/mol×K	694.21	Joback Method
cpg	386.51	J/mol×K	728.35	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=U378144&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
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