3-Fluorophenyl methanol, ethyl ether

Inchi: InChI=1S/C9H11FO/c1-2-11-7-8-4-3-5-9(10)6-8/h3-6H,2,7H2,1H3
InchiKey: MYNVKNQCBZYGRY-UHFFFAOYSA-N
Formula: C9H11FO
SMILES: CCOCc1cccc(F)c1
Mol. weight [g/mol]: 154.18

Physical Properties

Property code	Value	Unit	Source
gf	-172.13	kJ/mol	Joback Method
hf	-332.36	kJ/mol	Joback Method
hfus	16.99	kJ/mol	Joback Method
hvap	40.16	kJ/mol	Joback Method
log10ws	-2.61		Crippen Method
logp	2.362		Crippen Method
mcvol	121.550	ml/mol	McGowan Method
pc	2992.59	kPa	Joback Method
rinpol	1073.00		NIST Webbook
rinpol	1073.00		NIST Webbook
tb	458.67	K	Joback Method
tc	654.94	K	Joback Method
tf	252.95	K	Joback Method
vc	0.468	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	247.56	J/mol×K	458.67	Joback Method
cpg	260.07	J/mol×K	491.38	Joback Method
cpg	272.02	J/mol×K	524.09	Joback Method
cpg	283.40	J/mol×K	556.81	Joback Method
cpg	294.23	J/mol×K	589.52	Joback Method
cpg	304.53	J/mol×K	622.23	Joback Method
cpg	314.30	J/mol×K	654.94	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=U374624&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