(4-Fluorophenyl) methanol, isopropyl ether

Inchi: InChI=1S/C10H13FO/c1-8(2)12-7-9-3-5-10(11)6-4-9/h3-6,8H,7H2,1-2H3
InchiKey: QQZWEWXNOFVLKR-UHFFFAOYSA-N
Formula: C10H13FO
SMILES: CC(C)OCc1ccc(F)cc1
Mol. weight [g/mol]: 168.21

Physical Properties

Property code	Value	Unit	Source
gf	-166.15	kJ/mol	Joback Method
hf	-358.28	kJ/mol	Joback Method
hfus	16.05	kJ/mol	Joback Method
hvap	42.00	kJ/mol	Joback Method
log10ws	-3.14		Crippen Method
logp	2.751		Crippen Method
mcvol	135.640	ml/mol	McGowan Method
pc	2724.01	kPa	Joback Method
rinpol	1123.00		NIST Webbook
tb	481.11	K	Joback Method
tc	679.43	K	Joback Method
tf	249.22	K	Joback Method
vc	0.517	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	290.11	J/mol×K	481.11	Joback Method
cpg	304.07	J/mol×K	514.16	Joback Method
cpg	317.37	J/mol×K	547.22	Joback Method
cpg	330.03	J/mol×K	580.27	Joback Method
cpg	342.05	J/mol×K	613.33	Joback Method
cpg	353.45	J/mol×K	646.38	Joback Method
cpg	364.23	J/mol×K	679.43	Joback Method

Sources

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=U374636&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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