3,4-Difluorobenzyl alcohol, n-propyl ether

Inchi: InChI=1S/C10H12F2O/c1-2-5-13-7-8-3-4-9(11)10(12)6-8/h3-4,6H,2,5,7H2,1H3
InchiKey: RCNDQWDUNJUMIV-UHFFFAOYSA-N
Formula: C10H12F2O
SMILES: CCCOCc1ccc(F)c(F)c1
Mol. weight [g/mol]: 186.20

Physical Properties

Property code	Value	Unit	Source
gf	-368.15	kJ/mol	Joback Method
hf	-560.58	kJ/mol	Joback Method
hfus	22.27	kJ/mol	Joback Method
hvap	42.23	kJ/mol	Joback Method
log10ws	-3.36		Crippen Method
logp	2.891		Crippen Method
mcvol	137.410	ml/mol	McGowan Method
pc	2540.49	kPa	Joback Method
rinpol	1176.00		NIST Webbook
tb	485.80	K	Joback Method
tc	671.31	K	Joback Method
tf	277.33	K	Joback Method
vc	0.541	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	298.70	J/mol×K	485.80	Joback Method
cpg	311.27	J/mol×K	516.72	Joback Method
cpg	323.31	J/mol×K	547.64	Joback Method
cpg	334.82	J/mol×K	578.56	Joback Method
cpg	345.82	J/mol×K	609.47	Joback Method
cpg	356.30	J/mol×K	640.39	Joback Method
cpg	366.29	J/mol×K	671.31	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U378173&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

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

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