Cyclopropanecarboxamide, N-(4-fluorophenyl)-

Inchi: InChI=1S/C10H10FNO/c11-8-3-5-9(6-4-8)12-10(13)7-1-2-7/h3-7H,1-2H2,(H,12,13)
InchiKey: NLCQIPMGECDKHZ-UHFFFAOYSA-N
Formula: C10H10FNO
SMILES: O=C(Nc1ccc(F)cc1)C1CC1
Mol. weight [g/mol]: 179.19

Physical Properties

Property code	Value	Unit	Source
gf	-37.49	kJ/mol	Joback Method
hf	-207.09	kJ/mol	Joback Method
hfus	23.22	kJ/mol	Joback Method
hvap	53.07	kJ/mol	Joback Method
log10ws	-2.50		Crippen Method
logp	2.174		Crippen Method
mcvol	130.460	ml/mol	McGowan Method
pc	3456.14	kPa	Joback Method
rinpol	1573.00		NIST Webbook
rinpol	1573.00		NIST Webbook
tb	569.91	K	Joback Method
tc	790.97	K	Joback Method
tf	362.52	K	Joback Method
vc	0.503	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	316.96	J/mol×K	569.91	Joback Method
cpg	330.44	J/mol×K	606.75	Joback Method
cpg	342.95	J/mol×K	643.60	Joback Method
cpg	354.54	J/mol×K	680.44	Joback Method
cpg	365.28	J/mol×K	717.28	Joback Method
cpg	375.24	J/mol×K	754.13	Joback Method
cpg	384.47	J/mol×K	790.97	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307185&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