

# 3-F-C6H4CON(CH3)2

<b>Inchi:</b>	InChI=1S/C9H10FNO/c1-11(2)9(12)7-4-3-5-8(10)6-7/h3-6H,1-2H3
<b>InchiKey:</b>	UEUFYQYJMJNMCG-UHFFFAOYSA-N
<b>Formula:</b>	C9H10FNO
<b>SMILES:</b>	CN(C)C(=O)c1cccc(F)c1
<b>Mol. weight [g/mol]:</b>	167.18
<b>CAS:</b>	33322-64-4

## Physical Properties

Property code	Value	Unit	Source
affp	927.90	kJ/mol	NIST Webbook
basg	896.90	kJ/mol	NIST Webbook
gf	-85.27	kJ/mol	Joback Method
hf	-245.19	kJ/mol	Joback Method
hfus	20.42	kJ/mol	Joback Method
hvap	46.54	kJ/mol	Joback Method
log10ws	-1.95		Crippen Method
logp	1.527		Crippen Method
mcvol	127.230	ml/mol	McGowan Method
pc	3265.31	kPa	Joback Method
tb	502.56	K	Joback Method
tc	707.89	K	Joback Method
tf	313.12	K	Joback Method
vc	0.473	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	274.16	J/mol×K	502.56	Joback Method
cpg	286.90	J/mol×K	536.78	Joback Method
cpg	298.87	J/mol×K	571.00	Joback Method
cpg	310.10	J/mol×K	605.22	Joback Method
cpg	320.61	J/mol×K	639.45	Joback Method
cpg	330.45	J/mol×K	673.67	Joback Method
cpg	339.64	J/mol×K	707.89	Joback Method

# Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C33322644&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C33322644&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

# Legend

<b>affp:</b>	Proton affinity
<b>basg:</b>	Gas basicity
<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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