

# Acetamide, 2-fluoro-

<b>Other names:</b>	AFL 1081 Compound 1081 Fluorakil 100 Fluoroacetamide Fluoroacetic acid amide Fussol Megatox Monofluoroacetamide 2-Fluoroacetamide Fluoracetamide Fluorkill Fluoroakil 100 Yanock Amid kyseliny fluoroctove FAA Navron Rcra waste number P057 1081
<b>Inchi:</b>	InChI=1S/C2H4FNO/c3-1-2(4)5/h1H2,(H2,4,5)
<b>InchiKey:</b>	FVTWJXMFYOXOKK-UHFFFAOYSA-N
<b>Formula:</b>	C2H4FNO
<b>SMILES:</b>	<chem>N=C(O)CF</chem>
<b>Mol. weight [g/mol]:</b>	77.06
<b>CAS:</b>	640-19-7

## Physical Properties

Property code	Value	Unit	Source
gf	-162.07	kJ/mol	Joback Method
hf	-234.62	kJ/mol	Joback Method
hvap	47.99	kJ/mol	Joback Method
log10ws	-1.25		Crippen Method
logp	0.491		Crippen Method
mcvol	52.360	ml/mol	McGowan Method
tb	420.95	K	Joback Method
tf	242.49	K	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	97.85	J/mol×K	420.95	Joback Method
cpg	23.36	J/mol×K	100.12	Joback Method
cpg	23.36	J/mol×K	100.12	Joback Method
cpg	23.36	J/mol×K	100.12	Joback Method
cpg	23.36	J/mol×K	100.12	Joback Method
cpg	23.36	J/mol×K	100.12	Joback Method
cpg	23.36	J/mol×K	100.12	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=C640197&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C640197&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>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>hvp:</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>tb:</b>	Normal Boiling Point Temperature
<b>tf:</b>	Normal melting (fusion) point

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