

# Amphetamine, N-propoxycarbonyl-

<b>Inchi:</b>	InChI=1S/C13H19NO2/c1-3-9-16-13(15)14-11(2)10-12-7-5-4-6-8-12/h4-8,11H,3,9-10H2,
<b>InchiKey:</b>	SFWKZOLVTWGRFW-UHFFFAOYSA-N
<b>Formula:</b>	C13H19NO2
<b>SMILES:</b>	CCCOC(=O)NC(C)Cc1ccccc1
<b>Mol. weight [g/mol]:</b>	221.30

## Physical Properties

Property code	Value	Unit	Source
gf	24.02	kJ/mol	Joback Method
hf	-271.73	kJ/mol	Joback Method
hfus	27.83	kJ/mol	Joback Method
hvap	62.01	kJ/mol	Joback Method
log10ws	-3.51		Crippen Method
logp	2.754		Crippen Method
mcvol	187.690	ml/mol	McGowan Method
pc	2338.29	kPa	Joback Method
tb	649.54	K	Joback Method
tc	856.42	K	Joback Method
tf	372.51	K	Joback Method
vc	0.709	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	497.58	J/molxK	649.54	Joback Method
cpg	513.29	J/molxK	684.02	Joback Method
cpg	528.04	J/molxK	718.50	Joback Method
cpg	541.86	J/molxK	752.98	Joback Method
cpg	554.79	J/molxK	787.46	Joback Method
cpg	566.86	J/molxK	821.94	Joback Method
cpg	578.08	J/molxK	856.42	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>
<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=U314780&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U314780&amp;Units=SI</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>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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