

# 1-Propanamine, N-nitroso-N-propyl-

<b>Other names:</b>	Dipropylamine, N-nitroso- Dipropylnitrosamine N-Nitrosodipropylamine N,N-Dipropylnitrosamine Nitrosodipropylamine Di-n-propylnitrosoamine Di-N-propylnitrosamine DPN DPNA N-Nitroso-N-propyl-1-propanamine N-Nitrosodi-n-propylamine NDPA Propanamine, N-nitroso-N-propyl- Propylamine, N-nitroso-N-di- Rcra waste number U111 NSC 133
<b>Inchi:</b>	InChI=1S/C6H14N2O/c1-3-5-8(7-9)6-4-2/h3-6H2,1-2H3
<b>InchiKey:</b>	YLKFDHTUAUWZPQ-UHFFFAOYSA-N
<b>Formula:</b>	C6H14N2O
<b>SMILES:</b>	CCCN(CCC)N=O
<b>Mol. weight [g/mol]:</b>	130.19
<b>CAS:</b>	621-64-7

## Physical Properties

Property code	Value	Unit	Source
hf	-267.83	kJ/mol	Joback Method
hvap	40.09	kJ/mol	Joback Method
log10ws	-2.09		Crippen Method
logp	1.790		Crippen Method
mcvol	116.930	ml/mol	McGowan Method
pc	3038.96	kPa	Joback Method
rinpol	1042.00		NIST Webbook
rinpol	176.00		NIST Webbook
rinpol	1071.00		NIST Webbook
tb	412.52	K	Joback Method
tc	578.47	K	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C621647&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C621647&amp;Units=SI</a>
<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>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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