

# Hexanal, (2,4-dinitrophenyl)hydrazone

<b>Other names:</b>	(2,4-Dinitrophenyl)hydrazone of hexanal n-Hexanal, 2,4-dinitrophenylhydrazone
<b>Inchi:</b>	InChI=1S/C12H16N4O4/c1-2-3-4-5-8-13-14-11-7-6-10(15(17)18)9-12(11)16(19)20/h6-9.1
<b>InchiKey:</b>	SJUYYAXVFFVQNX-UHFFFAOYSA-N
<b>Formula:</b>	C12H16N4O4
<b>SMILES:</b>	CCCCCC=NNc1ccc([N+](=O)[O-])cc1[N+](=O)[O-]
<b>Mol. weight [g/mol]:</b>	280.28
<b>CAS:</b>	1527-97-5

## Physical Properties

Property code	Value	Unit	Source
hf	36.75	kJ/mol	Joback Method
hvap	88.84	kJ/mol	Joback Method
log10ws	-5.03		Crippen Method
logp	3.481		Crippen Method
mcvol	206.680	ml/mol	McGowan Method
pc	2189.73	kPa	Joback Method
rinpol	2568.00		NIST Webbook
tb	941.13	K	Joback Method
tc	1194.47	K	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1527975&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1527975&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>hvac:</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>rinqol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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