

# 1-Phenazinecarbohydrazide

<b>Other names:</b>	1-Phenazinecarboxylic acid hydrazide
<b>Inchi:</b>	InChI=1S/C13H10N4O/c14-17-13(18)8-4-3-7-11-12(8)16-10-6-2-1-5-9(10)15-11/h1-7H,1
<b>InchiKey:</b>	HHMALMVKWZLO-UHFFFAOYSA-N
<b>Formula:</b>	C13H10N4O
<b>SMILES:</b>	<chem>NNC(=O)c1cccc2nc3cccc3nc12</chem>
<b>Mol. weight [g/mol]:</b>	238.24
<b>CAS:</b>	14031-13-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.96		Crippen Method
logp	1.387		Crippen Method
mcvol	172.840	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	27.62	kJ/mol	505.00	NIST Webbook

## 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>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=C14031131&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14031131&amp;Units=SI</a>

## Legend

**hfust:** Enthalpy of fusion at a given temperature  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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