

# Acetamide, 2-(hydroxyimino)-N-phenyl-

<b>Other names:</b>	Glyoxanilide oxime Glyoxylanilide oxime Glyoxylanilide, 2-oxime Isonitrosoacetanilide 2-Isonitrosoacetanilide Isonitrosoacetylaniline 2-(Hydroxyimino)-N-phenylethanamide NSC 29556 2-(hydroxyimino)-N-phenylacetamide
<b>Inchi:</b>	InChI=1S/C8H8N2O2/c11-8(6-9-12)10-7-4-2-1-3-5-7/h1-6,12H,(H,10,11)
<b>InchiKey:</b>	UFNDNNCDEFJCHU-UHFFFAOYSA-N
<b>Formula:</b>	C8H8N2O2
<b>SMILES:</b>	O=C(C=NO)Nc1ccccc1
<b>Mol. weight [g/mol]:</b>	164.16
<b>CAS:</b>	1769-41-1

## Physical Properties

Property code	Value	Unit	Source
hf	-101.04	kJ/mol	Joback Method
hvap	68.85	kJ/mol	Joback Method
log10ws	-0.49		Crippen Method
logp	1.085		Crippen Method
mcvol	122.920	ml/mol	McGowan Method
pc	3945.61	kPa	Joback Method
tb	682.02	K	Joback Method
tc	902.50	K	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	10.40	kJ/mol	453.10	NIST Webbook
hfust	10.40	kJ/mol	448.00	NIST Webbook
sfust	23.20	J/mol×K	448.00	NIST Webbook

# Sources

<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=C1769411&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1769411&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>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfust:</b>	Enthalpy of fusion at a given temperature
<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>sfust:</b>	Entropy of fusion at a given temperature
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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