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

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

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1769411&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
sfust:	Entropy of fusion at a given temperature
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature