

# Glycine, n-(2-mercaptoproethyl)-, hydrazide

Inchi:	InChI=1S/C4H11N3OS/c5-7-4(8)3-6-1-2-9/h6,9H,1-3,5H2,(H,7,8)
InchiKey:	HAOPWSHRABQXKG-UHFFFAOYSA-N
Formula:	C4H11N3OS
SMILES:	NN=C(O)CNCCS
Mol. weight [g/mol]:	149.22
CAS:	34604-00-7

## Physical Properties

Property code	Value	Unit	Source
hf	-79.95	kJ/mol	Joback Method
hvap	68.39	kJ/mol	Joback Method
log10ws	-0.17		Crippen Method
logp	-0.664		Crippen Method
mcvol	115.080	ml/mol	McGowan Method
pc	4590.15	kPa	Joback Method
tb	645.22	K	Joback Method
tc	859.78	K	Joback Method

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C34604007&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C34604007&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307i">http://pubs.acs.org/doi/abs/10.1021/ci990307i</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	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>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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