Glycine, n-(2-mercaptoethyl)-, 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: http://webbook.nist.gov/cgi/cbook.cgi?ID=C34604007&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

Legend

hf: Enthalpy of formation at standard conditions
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature