Aminoacethydrazide

Other names: Aminoacetic acid hydrazide
Glycine, hydrazide
Inchi: InChI=1S/C2H7N3O/c3-1-2(6)5-4/h1,3-4H2,(H,5,6)
InchiKey: HAZOZRAPGZDOEM-UHFFFAOYSA-N
Formula: C2H7N3O
SMILES: NCC(O)=NN
Mol. weight [g/mol]: 89.10
CAS: 14379-80-7

Physical Properties

Property code	Value	Unit	Source
hf	-96.83	kJ/mol	Joback Method
hvap	61.40	kJ/mol	Joback Method
log10ws	0.50		Crippen Method
logp	-1.225		Crippen Method
mcvol	70.550	ml/mol	McGowan Method
pc	5880.91	kPa	Joback Method
tb	558.96	K	Joback Method
tc	771.43	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14379807&Units=SI

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