

Glycine, N-(carboxymethyl)-

Other names:	2,2'-Iminodiacetic acid
	Acetic acid, 2,2'-iminobis-
	Acetic acid, iminodi-
	Aminodiacetic acid
	Bis(carboxymethyl)amine
	Diglycin
	Diglycocoll
	Diglycollamic acid
	Hampshire
	IDA
	IDA (chelating agent)
	IMDA
	Iminobis(acetic acid)
	Iminodiethanoic acid
	N-(carboxymethyl)glycine
	NSC 18467
	USAF DO-55
	diglycine
	iminodiacetic acid
Inchi:	InChI=1S/C4H7NO4/c6-3(7)1-5-2-4(8)9/h5H,1-2H2,(H,6,7)(H,8,9)
InchiKey:	NBZBKUCXIYYUSX-UHFFFAOYSA-N
Formula:	C4H7NO4
SMILES:	O=C(O)CNCC(=O)O
Mol. weight [g/mol]:	133.10

Physical Properties

Property code	Value	Unit	Source
chs	-1641.80 ± 1.20	kJ/mol	NIST Webbook
hf	-742.77	kJ/mol	Cheméo Relay (1.0)
hfs	-932.60 ± 1.30	kJ/mol	NIST Webbook
hfus	22.59	kJ/mol	Joback Method
hvap	97.55	kJ/mol	Cheméo Relay (1.0)
ie	8.92	eV	Cheméo Relay (1.0)
log10ws	0.32		Cheméo Relay (1.0)
logp	-1.255		Crippen Method
mcvol	92.080	ml/mol	McGowan Method
pc	6113.06	kPa	Joback Method

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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
tf:	Normal melting (fusion) point

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