



>>Entry Name: *N*-(Aminocarbonyl)glycine, 9CI

Synonym(s): *N*-Carbamoylglycine, 8CI. Hydantoic acid. *N*-Carboxymethylurea. Glycoluric acid. Ureidoacetic acid

CAS Registry Number: 462-60-2

H2NCONHCH2COOH

Molecular Formula: C3H6N2O3

Molecular Weight: 118.092

Accurate Mass: 118.037843

Percentage Composition: C 30.51%; H 5.12%; N 23.72%; O 40.64%

Physical Description: Prisms

Melting Point: Mp 173-175 dec.°

Rare Chemicals Library: S45873-2

Sigma: H3379

>>Derivative: Et ester

CAS Registry Number: 6293-20-5

Molecular Formula: C5H10N2O3

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Physical Description: Needles (H₂O)

Melting Point: Mp 135°

Rare Chemicals Library: S37472-5

>>Derivative: Amide

CAS Registry Number: 3530-79-8

Molecular Formula: C3H7N3O2

Molecular Weight: 117.107

Accurate Mass: 117.053827

Percentage Composition: C 30.77%; H 6.02%; N 35.88%; O 27.32%

Physical Description: Prisms (H₂O)

Melting Point: Mp 204° (180°)

References:

West, C.J., *J. Biol. Chem.*, 1918, **34**, 188, (*synth, bibl*)

Inouye, K. *et al.*, *J.C.S. Perkin I*, 1977, 1911, (*synth*)

Thielemann, H., *Z. Chem.*, 1978, **18**, 174, (*synth*)