



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

Synonym(s): Phenacetylglycine. Phenaceturic acid

CAS Registry Number: 500-98-1

PhCH₂CONHCH₂COOH

Molecular Formula: C₁₀H₁₁NO₃

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Biological Source: Metab. found in urine of many spp. of animals and birds

Physical Description: Leaflets (EtOH)

Melting Point: Mp 143°

Rare Chemicals Library: S63306-2

>>Derivative: Me ester

CAS Registry Number: 5259-87-0

Molecular Formula: C₁₁H₁₃NO₃

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 86.5°

>>Derivative: Et ester

CAS Registry Number: 4838-35-1

Molecular Formula: C₁₂H₁₅NO₃

Molecular Weight: 221.255

Accurate Mass: 221.105194

Percentage Composition: C 65.14%; H 6.83%; N 6.33%; O 21.69%

Physical Description: Prisms (EtOH)

Melting Point: Mp 82°

>>Derivative: Ph ester

Molecular Formula: C₁₆H₁₅NO₃

Molecular Weight: 269.299

Accurate Mass: 269.105194

Percentage Composition: C 71.36%; H 5.61%; N 5.20%; O 17.82%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 132-133°

>>Derivative: Benzyl ester

Molecular Formula: C₁₇H₁₇NO₃

Molecular Weight: 283.326

Accurate Mass: 283.120844

Percentage Composition: C 72.07%; H 6.05%; N 4.94%; O 16.94%

Physical Description: Needles (petrol/CHCl₃)

Melting Point: Mp 94.5-95°

>>Derivative: Amide

Molecular Formula: C₁₀H₁₂N₂O₂

Molecular Weight: 192.217

Accurate Mass: 192.089878

Percentage Composition: C 62.49%; H 6.29%; N 14.57%; O 16.65%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 176-177°