



>>Entry Name: 2-Benzamido-2-hydroxyacetic acid

Synonym(s): (Benzoylamino)hydroxyacetic acid, 9Cl. α -Hydroxyhippuric acid. *N*-Benzoyl- α -hydroxyglycine

Related CAS Registry Numbers(s): 19791-97-0

PhCONHCH(OH)COOH

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

>>Variant: (–)-form

CAS Registry Number: 19791-95-8

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Melting Point: Mp 158-160°

Optical Rotation: $[\alpha]_{\text{D}}^{20}$ –48.1

>>Variant: (±)-form

CAS Registry Number: 16555-77-4

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Physical Description: Cryst. (dioxan/CHCl₃)

Melting Point: Mp 157-159°. Mp 200.5-201.5° (dimorph.)

Aldrich: 22387-5

Rare Chemicals Library: S62753-4

Sigma: H3634

>>Derivative: Me ester

CAS Registry Number: 64356-70-3

Molecular Formula: C₁₀H₁₁NO₄

Molecular Weight: 209.201

Accurate Mass: 209.068809

Percentage Composition: C 57.41%; H 5.30%; N 6.70%; O 30.59%

Melting Point: Mp 108-109°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1385C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 366D, (*ir*)

Chaman, E.S. *et al.*, *Bull. Soc. Chim. Fr.*, 1959, 530, (*synth*)

Krit, N.A. *et al.*, *CA*, 1968, **69**, 87457, (*resoln*)

Ben-Ishai, D. *et al.*, *Tetrahedron*, 1975, **31**, 863; 1976, **32**, 1571; 1977, **33**, 881, (*synth*)

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