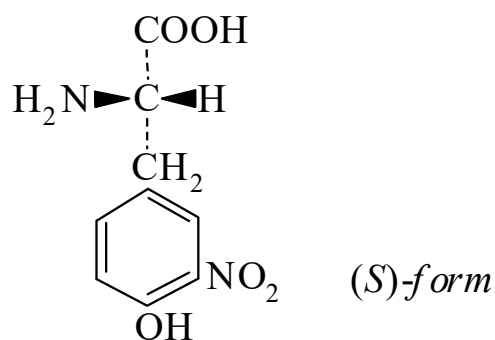




>>Entry Name: 2-Amino-3-(4-hydroxy-3-nitrophenyl)propanoic acid

Synonym(s): 3-Nitrotyrosine, 9Cl, 8Cl, 4-Hydroxy-3-nitrophenylalanine



CAS Registry Number: 3604-79-3

Molecular Formula: C₉H₁₀N₂O₅

Molecular Weight: 226.188

Accurate Mass: 226.058973

Percentage Composition: C 47.79%; H 4.46%; N 12.38%; O 35.37%

Biological Source: Component of Ilamycins [BDN40-C](#)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 621-44-3

Molecular Formula: C₉H₁₀N₂O₅

Molecular Weight: 226.188

Accurate Mass: 226.058973

Percentage Composition: C 47.79%; H 4.46%; N 12.38%; O 35.37%

Physical Description: Pale-yellow needles (H₂O)

Melting Point: Mp 222-224°

Optical Rotation: [α]_D¹⁵+3.2 (4% HCl)

Solubility: Spar. sol. hot H₂O, insol. EtOH, Et₂O

Aldrich: 85191-4

Fluka: 74090

Sigma: N7503

>>Variant: (±)-form

CAS Registry Number: 32988-39-9

Molecular Formula: C₉H₁₀N₂O₅

Molecular Weight: 226.188

Accurate Mass: 226.058973

Percentage Composition: C 47.79%; H 4.46%; N 12.38%; O 35.37%

Physical Description: Yellow cryst.

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1189C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 256D, (*ir*)

Johnson, T.B. *et al.*, *J.A.C.S.*, 1915, **37**, 1863, (*synth*)

Fric, I. *et al.*, *Coll. Czech. Chem. Comm.*, 1968, **33**, 4008, (*ord*)