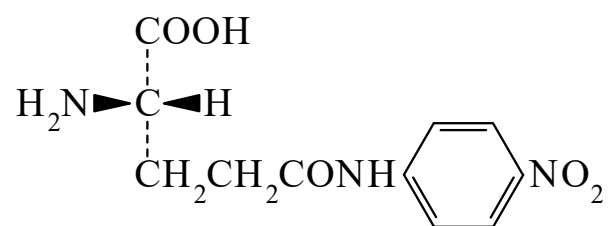




>>Entry Name: *N*-(4-Nitrophenyl)glutamine, 9Cl

Synonym(s): 2-Amino-4'-nitroglutaranilic acid, 8Cl. γ -Glutamyl-*p*-nitroanilide



Molecular Formula: C₁₁H₁₃N₃O₅

Molecular Weight: 267.241

Accurate Mass: 267.085522

Percentage Composition: C 49.44%; H 4.90%; N 15.72%; O 29.93%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 7300-59-6

Molecular Formula: C₁₁H₁₃N₃O₅

Molecular Weight: 267.241

Accurate Mass: 267.085522

Percentage Composition: C 49.44%; H 4.90%; N 15.72%; O 29.93%

Use/Importance: Substrate for the detn. of γ -glutamyltranspeptidase activity in serum and tissues

Physical Description: White to pale yellow cryst. (+ H₂O)

Fluka: 49623

Sigma: G1135

References:

Szasz, G., *Clin. Chem. (Winston-Salem, N.C.)*, 1969, **15**, 124, (use)

Tate, S.S. *et al.*, *J. Biol. Chem.*, 1974, **249**, 7593, (use)

Lindsay, H. *et al.*, *Org. Prep. Proced. Int.*, 1975, **7**, 89, (synth)

Selvaraj, P. *et al.*, *Clin. Chim. Acta*, 1982, **121**, 291, (use)