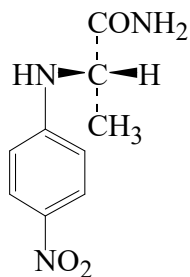




>>Entry Name: 2-Amino-*N*-(4-nitrophenyl)propanamide, 9CI

Synonym(s): 2-Amino-4'-nitropropionanilide



Related CAS Registry Numbers(s): 26432-41-7 77286-89-6

Molecular Formula: C₉H₁₁N₃O₃

Molecular Weight: 209.204

Accurate Mass: 209.080042

Percentage Composition: C 51.67%; H 5.30%; N 20.09%; O 22.94%

Use/Importance: Substrate for the detn. of amino acid arylamidase

>>Variant: (*S*)-form

CAS Registry Number: 1668-13-9

Molecular Formula: C₉H₁₁N₃O₃

Molecular Weight: 209.204

Accurate Mass: 209.080042

Percentage Composition: C 51.67%; H 5.30%; N 20.09%; O 22.94%

>>Derivative: Hydrochloride

CAS Registry Number: 31796-55-1

Extra CAS Registry Numbers(s): 33816-84-1

Melting Point: Mp 204-217°

Optical Rotation: [α]_D +8.76 (c, 1 in EtOH)

References:

Fischer, G. *et al.*, *Tetrahedron*, 1978, **34**, 2123-2129, (*synth*)

Jung, K. *et al.*, *Clin. Chem. (Winston-Salem, N.C.)*, 3rd edn., 1980, **26**, 1251-1254, (*use*)

Methods of Enzymatic Analysis, 3rd edn., (ed. Bergmeyer, H.U.), Verlag Chemie, 1984, **5**, 11-15, (*use*)