>>**Derivative:** *N*-Phenylacetyl
Synonym(s): *N*-Phenylacetylaspartic acid

CAS Registry Number: 2752-32-1

Molecular Formula: $C_{12}H_{13}NO_5$
Molecular Weight: 251.238
Accurate Mass: 251.079374
Percentage Composition: C 57.37%; H 5.22%; N 5.58%; O 31.84%
Biological Source: Constit. of pea (*Pisum sativum*)
Melting Point: Mp 136°

>>**Variant:** (±)-form

CAS Registry Number: 617-45-8

Molecular Formula: $C_4H_7NO_4$
Molecular Weight: 133.104
Accurate Mass: 133.037509
Percentage Composition: C 36.10%; H 5.30%; N 10.52%; O 48.08%
Use/Importance: Used as a 0.02*M* aq. soln. for complexometric titrimetry of Be, Cu, Th. Dietary supplement, nutrient
Physical Description: Monoclinic prisms
Melting Point: Mp 278-280° (338-339°)
Solubility: Insol. EtOH, Et_2O; sol. H_2O

Aldrich: A9309-7
Fluka: 11210
Sigma: A4409

>>**Derivative:** 4-Me ester

CAS Registry Number: 1835-51-4
Molecular Formula: $C_5H_9NO_4$
Molecular Weight: 147.13
Accurate Mass: 147.053159
Percentage Composition: C 40.82%; H 6.17%; N 9.52%; O 43.50%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 191-192°

>>**Derivative:** 4-Me ester; hydrochloride

CAS Registry Number: 1835-52-5
Melting Point: Mp 178-180 dec.°
Fluka: 11245
Sigma: A1457

>>**Derivative:** Di-Me ester; hydrochloride

CAS Registry Number: 14358-33-9
Melting Point: Mp 111-114 dec.°
Sigma: A9631

>>**Derivative:** 1-Et ester

CAS Registry Number: 21860-85-5
Molecular Formula: $C_6H_{11}NO_4$
Molecular Weight: 161.157
Accurate Mass: 161.068809
Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%
Physical Description: Plates
Melting Point: Mp 165 dec.°

>>**Derivative:** 1-Et ester; hydrochloride

Melting Point: Mp 165°