



Optical Rotation: $[\alpha]_{\text{D}} +14.3$ (c, 5.7 in C_6H_6)

>>**Variant:** (S)-form

Synonym(s): L-form

CAS Registry Number: 3182-95-4

Molecular Formula: $\text{C}_9\text{H}_{13}\text{NO}$

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Source/Synthesis: Present in the hydrolysate from Antiamoebin

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 95°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -25.76$ (c, 3.3 in EtOH)

Hazard & Toxicity: LD_{50} (mus, ipr) 76 mg/kg

Aldrich: 19043-8

Fluka: 78100

Sigma: P4766

>>**Derivative:** Oxalate

Melting Point: Mp 180°

>>**Derivative:** *N*-tert-Butyloxycarbonyl

CAS Registry Number: 66605-57-0

Physical Description: Cryst.

Melting Point: Mp $94.5-95.5^\circ$

Optical Rotation: $[\alpha]_{\text{D}}^{20} -29.2$ (c, 1.0 in MeOH)

Aldrich: 42168-5

Fluka: 15489

Other: CarboMer Inc.

>>**Derivative:** *N*-Benzoyl

Synonym(s): Benzoylphenylalaninol

CAS Registry Number: 4503-96-2

Molecular Formula: $\text{C}_{16}\text{H}_{17}\text{NO}_2$

Molecular Weight: 255.316

Accurate Mass: 255.125929

Percentage Composition: C 75.27%; H 6.71%; N 5.49%; O 12.53%

Source/Synthesis: Alkaloid from the leaves of *Alangium lamarckii* and *Catharanthus pusillus*

Melting Point: Mp $171-173^\circ$ (169°)

Optical Rotation: $[\alpha]_{\text{D}}^{34} -64$ (c, 0.39 in Py)

>>**Derivative:** *O,N*-Dibenzoyl

Molecular Formula: $\text{C}_{23}\text{H}_{21}\text{NO}_3$

Molecular Weight: 359.424

Accurate Mass: 359.152144

Percentage Composition: C 76.86%; H 5.89%; N 3.90%; O 13.35%

Melting Point: Mp 169°

>>**Derivative:** *N*-Benzyloxycarbonyl

CAS Registry Number: 6372-14-1

Physical Description: Cryst.

Melting Point: Mp $92-95^\circ$

Optical Rotation: $[\alpha]_{\text{D}}^{20} -43$ (c, 2 in MeOH)

Aldrich: 42172-3

Fluka: 97027