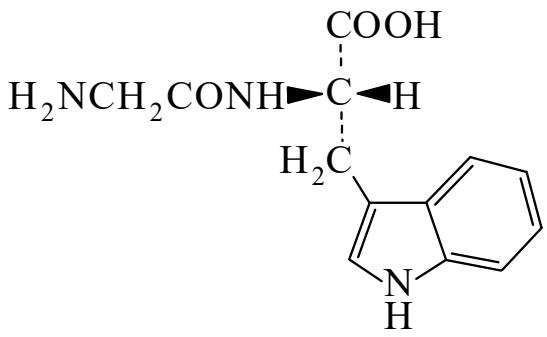
>>**Entry Name:** ***N*-Glycyltryptophan,** 9CI




(*S*)-*form*

**CAS Registry Number:** 2189-26-6

**Molecular Formula:** $C_{13}H_{15}N_3O_3$
**Molecular Weight:** 261.28
**Accurate Mass:** 261.111342
**Percentage Composition:** C 59.76%; H 5.79%; N 16.08%; O 18.37%

>>**Variant:** D-form

**CAS Registry Number:** 50632-89-8
**Molecular Formula:** $C_{13}H_{15}N_3O_3$
**Molecular Weight:** 261.28
**Accurate Mass:** 261.111342
**Percentage Composition:** C 59.76%; H 5.79%; N 16.08%; O 18.37%
**Optical Rotation:** $[\alpha]_D^{26}$–34.2 (c, 2 in 5M HCl)

>>**Variant:** L-form

**CAS Registry Number:** 2390-74-1
**Molecular Formula:** $C_{13}H_{15}N_3O_3$
**Molecular Weight:** 261.28
**Accurate Mass:** 261.111342
**Percentage Composition:** C 59.76%; H 5.79%; N 16.08%; O 18.37%
**Optical Rotation:** $[\alpha]_D^{25}$+34.3 (c, 2 in 5M HCl)
**Sigma:** G5759

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

**Physical Description:** Cryst. (AcOH/petrol)
**Melting Point:** Mp 141-142°
**Optical Rotation:** $[\alpha]_D^{24}$+33.3 (c, 2.34 in EtOH)

**References:**

Rao, K.R. *et al.*, *J. Biol. Chem.*, 1952, **198**, 507, *(synth)*
Robinson, D.S. *et al.*, *J. Biol. Chem.*, 1953, **202**, 1, *(synth)*
Weygand, F.*, Chem. Ber.*, 1960, **93**, 2983
Theodoropoulos, D.M.*, Biochemistry*, 1962, 933
Katakai, R. *et al.*, *J.O.C.*, 1972, **37**, 327, *(synth)*