



Biological Source: Isol. from hydrolysed wheat endosperm

>>**Derivative:** *O*-β-D-Galactopyranoside

CAS Registry Number: 80185-44-0

Molecular Formula: C₁₁H₁₉NO₈

Molecular Weight: 293.273

Accurate Mass: 293.111069

Percentage Composition: C 45.05%; H 6.53%; N 4.78%; O 43.64%

Biological Source: Isol. from hydrolysed wheat endosperm

>>**Derivative:** Me ester

CAS Registry Number: 1499-56-5

Molecular Formula: C₆H₁₁NO₃

Molecular Weight: 145.158

Accurate Mass: 145.073894

Percentage Composition: C 49.65%; H 7.64%; N 9.65%; O 33.07%

Physical Description: Needles (MeOH/EtOAc) (as hydrochloride)

Melting Point: Mp 162-164°

>>**Derivative:** *N*-Ac

Synonym(s): Oxaceprol, INN. Jonctum. CO 61

CAS Registry Number: 33996-33-7

Molecular Formula: C₇H₁₁NO₄

Molecular Weight: 173.168

Accurate Mass: 173.068809

Percentage Composition: C 48.55%; H 6.40%; N 8.09%; O 36.96%

Biological Use/Importance: Antirheumatic, dermatological agent

Melting Point: Mp 135°

Optical Rotation: [α]_D -118.5 (H₂O)

Calculated Log P Data: Log P -1.11 (calc)

Aldrich: 44156-2

Fluka: 1192

Sigma: A8263

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

CAS Registry Number: 13504-85-3

Molecular Formula: C₁₃H₁₅NO₅

Molecular Weight: 265.265

Accurate Mass: 265.095024

Percentage Composition: C 58.86%; H 5.70%; N 5.28%; O 30.16%

Physical Description: Cryst.

Melting Point: Mp 106-107°

Optical Rotation: [α]_D²⁴ -75.5 (c, 1.03 in CHCl₃)

>>**Derivative:** *N*-Me

Synonym(s): *N*-Methyl-*trans*-4-hydroxy-L-proline. **4-Hydroxyhygrinic acid.** Aceprolinum. Joint. Problaston. Thioprol

CAS Registry Number: 4252-82-8

Molecular Formula: C₆H₁₁NO₃

Molecular Weight: 145.158

Accurate Mass: 145.073894

Percentage Composition: C 49.65%; H 7.64%; N 9.65%; O 33.07%

Biological Source: Alkaloid from bark of *Croton gubougia*, *Erythroxylum argentinum* and heartwood of *Afrormosia elata* (Euphorbiaceae, Erythroxylaceae, Leguminosae). Also from the red alga *Chondria coerulescens*, other red algae and from leaves of a number of *Copaifera* spp.

Physical Description: Cryst. (MeOH)

Melting Point: Mp 238-240 dec.°

Optical Rotation: [α]_D -86.6 (c, 1.5 in H₂O)