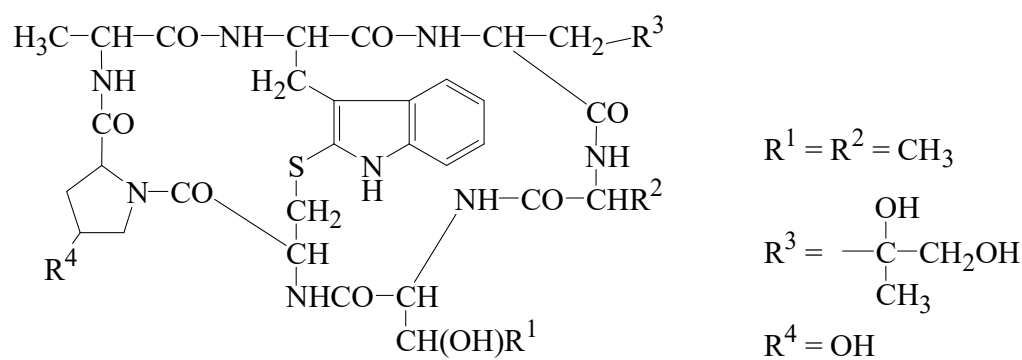




>>Entry Name: Phalloidin, 9Cl



CAS Registry Number: 17466-45-4

Molecular Formula: C₃₅H₄₈N₈O₁₁S

Molecular Weight: 788.877

Accurate Mass: 788.316327

Percentage Composition: C 53.29%; H 6.13%; N 14.20%; O 22.31%; S 4.06%

Biological Source: Toxin from *Amanita phalloides* and *Amanita virosa*. Also from *Amanita verna*

Use/Importance: Potassium (K_v) channel blocker. Pharmacol. tool

Physical Description: Cryst. +6 H₂O (H₂O)

Melting Point: Mp 280-282°

Solubility: BERDY SOL: Sol. MeOH, H₂O, Py, EtOH

Calculated Log P Data: Log P -1.64 (uncertain value) (calc)

UV: [neutral] λ_{max} 290 () (MeOH) (Berdy) [neutral] λ_{max} 295 () (H₂O) (Berdy)

Hazard & Toxicity: Adverse human effects by ingestion occur within 2-5 hr of administration (*cf.* amatoxins). Hepatotoxic, gastrointestinal effects by ingestion. LD₅₀ (mus, ipr) 2 mg/kg ; BERDY HAZD : LD₅₀ (mus, ims) .003 mg/kg

Fluka: 77420

Sigma: P2141

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