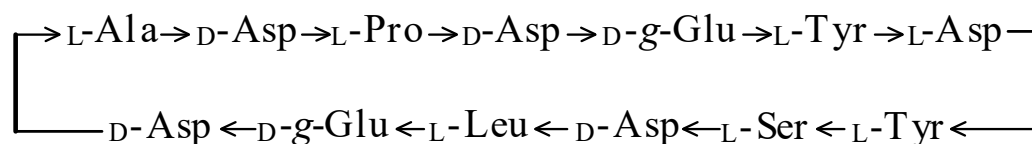




>>Entry Name: Mycobacillin



CAS Registry Number: 18524-67-9

Molecular Formula: C₆₅H₈₅N₁₃O₃₀

Molecular Weight: 1528.456

Accurate Mass: 1527.552537

Percentage Composition: C 51.08%; H 5.61%; N 11.91%; O 31.40%

Biological Source: Isol. from *Bacillus subtilis*

Use/Importance: Antifungal agent active against phytotoxic fungi and yeasts

Physical Description: Needles

Melting Point: Mp 235-240 dec.°

Solubility: BERDY SOL: Sol. MeOH, Me₂CO, Py, bases; poorly sol. H₂O, hexane, Me₂CO

UV: [neutral] λ_{max} 277 () (H₂O) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, scu) 20 mg/kg

References:

Majimdar, S.K. *et al.*, *Arch. Biochem. Biophys.*, 1960, **90**, 154, (*isol*)

Banerjee, A.B., *Antibiotics*, 1967, **2**, 271; 445, (*rev*)

Sengupta, S. *et al.*, *Biochem. J.*, 1971, **121**, 839, (*struct*)

Banerjee, P.C. *et al.*, *J. Antibiot.*, 1973, **26**, 257; 1977, **30**, 420, (*derivs*)