



>>Entry Name: Bacitracin B

CAS Registry Number: 1402-99-9

Related CAS Registry Numbers(s): 1405-87-4

Molecular Formula: $C_{71}H_{112}N_{18}O_{17}S$

Molecular Weight: 1521.842

Accurate Mass: 1520.817357

Percentage Composition: C 56.04%; H 7.42%; N 16.57%; O 17.87%; S 2.11%

General Statement: Struct. differs from Bacitracin A [HBX90-P](#) by the replacement of isoleucine with valine, the exact portion of replacement not yet known

Biological Source: Major component of the polypeptide antibiotic Bacitracin, elaborated by *Bacillus licheniformis* and *Bacillus subtilis*

Solubility: BERDY SOL: Sol. H₂O, MeOH; fairly sol. Me₂CO, butanol; poorly sol. EtOAc, hexane

UV: [neutral] $\lambda_{\max}$ 253 () (H₂O) (Berdy)

Other Data: Hydrol. → an F-type bacitracin

References:

Newton, G.G.F. *et al.*, *Biochem. J.*, 1950, **47**, 257

Craig, L.C. *et al.*, *J.O.C.*, 1957, **22**, 1345, (*struct*)