

Product Data Sheet

Product Name: Polymyxin B2 (sulfate)

Cat. No.: GC91221

Chemical Properties

Cas. No. 108965-69-1

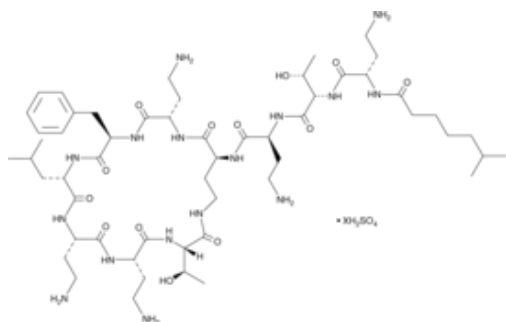
Formula C₅₅H₉₆N₁₆O₁₃ · XH₂SO₄ M.Wt 1189.5

Solubility Water: 50 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Polymyxin B₂ is an antibiotic and a major constituent of the cationic lipopeptide antibiotic polymyxin B originally isolated from *B. polymyxa*.¹ It is active against *P. aeruginosa*, *A. baumannii*, *K. pneumoniae*, and *E. cloacae* strains (MICs = 1-2, 0.5-1, 0.25-0.5, and 0.25-1 µg/ml, respectively). *In vivo*, polymyxin B₂ (4 mg/kg) reduces the number of blood colony-forming units (CFUs) in a mouse model of *P. aeruginosa* blood infection.

Caution: Product has not been fully validated for medical applications. For research use only.

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