

Bleomycin sulfate

产品编号: D51021

CAS: 9041-93-4

分子式: C₅₅H₈₄N₁₇O₂₁S₃

纯度: ≥98%

InChi: InChI=1S/C55H83N17O21S3/c1-20-33(69-46(72-44(20)58)25(12-31(57)76)64-13-24(56)45(59)82)50(86)71-35(41(26-14-61-19-65-26)91-54-43(39(80)37(78)29(15-73)90-54)92-53-40(81)42(93-55(60)88)38(79)30(16-74)89-53)51(87)66-22(3)36(77)21(2)47(83)70-34(23(4)75)49(85)63-10-8-32-67-28(18-94-32)52-68-27(17-95-52)48(84)62-9-7-11-96(5)6/h14,17-19,21-25,29-30,34-43,53-54,64,73-75,77-81H,7-13,15-16,56H2,1-6H3,(H13-57,58,59,60,61,62,63,65,66,69,70,71,72,76,82,83,84,85,86,87,88)/p+1/t21-,22+,23+,24-,25-,29-,30-,34-,35-,36-,37-,38-,39+,40-,41-,42+,43-,53-,54-/m0/s1

InChi Key: OYVAGSVQBOHSSS-YRSNYMMHSA-O

Smiles: CC1C(=NC(=NC=1N)[C@H](CC(N)=O)NC[C@H](N)C(N)=O)C(=O)N[C@@H]([C@@H](O[C@@H]1O[C@@H](CO)[C@H](O)[C@@H](O)[C@@H]1O[C@@H]1O[C@@H](CO)[C@H](O)[C@@H](O)C(N)=O)[C@@H]1O)C1=CN=CN1)C(=O)N[C@H](C)[C@@H](O)[C@H](C)C(=O)N[C@@H]([C@@H](C)O)C(=O)NCCC1=NC(=CS1)C1=NC(=CS1)C(=O)NCCC[S+](C)C

外观: 固体粉末

作用通路: Antibiotic

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Bleomycin sulfate is a mixture of the sulfate salts of basic glycopeptide antineoplastic antibiotics isolated from *Streptomyces verticillus*. Bleomycin sulfate forms complexes with iron that reduce molecular oxygen to superoxide and hydroxyl radicals which cause single- and double-stranded breaks in DNA; these reactive oxygen species also induce lipid peroxidation, carbohydrate oxidation, and alterations in prostaglandin synthesis and degradation.