

Dactinomycin

产品编号: D51526

CAS: 50-76-0

分子式: C₆₂H₈₆N₁₂O₁₆

纯度: ≥98%

InChi: InChI=1S/C62H86N12O16/c1-27(2)42-59(84)73-23-17-19-36(73)57(82)69(13)25-38(75)71(15)48(29(5)6)61(86)88-33(11)44(55(80)65-42)67-53(78)35-22-21-31(9)51-46(35)64-47-40(41(63)50(77)32(10)52(47)90-51)54(79)68-45-34(12)89-62(87)49(30(7)8)72(16)39(76)26-70(14)58(83)37-20-18-24-74(37)60(85)43(28(3)4)66-56(45)81/h21-22,27-30,33-34,36-37,42-45,48-49H,17-20,23-26,63H2,1-16H3,(H,65,80)(H,66,81)(H,67,78)(H,68,79)/t33-,34-,36+,37+,42-,43-,44+,45+,48+,49+/m1/s1

InChi Key: RJURFGZVJUQBHK-IIXSONLDSA-N

Smiles: CC1C=CC(=C2N=C3C(=C(N)C(=O)C(C)=C3OC(=12)C(=O)N[C@H]1[C@@H](C)OC(=O)[C@H](C(C)C)N(C)C(=O)CN(C)C(=O)[C@@H]2CCCN2C(=O)[C@H](NC1=O)C(C)C)C(=O)N[C@H]1[C@@H](C)OC(=O)[C@H](C(C)C)N(C)C(=O)CN(C)C(=O)[C@@H]2CCCN2C(=O)[C@H](NC1=O)C(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: Dactinomycin (also known generically as Actinomycin D) is the most significant member of actinomycines, which are a class of polypeptide antibiotics isolated from soil bacteria of the genus *Streptomyces*. As one of the older chemotherapy drugs, it has been used for many years. Actinomycin D was the first antibiotic shown to have anti-cancer activity. It was first isolated by Selman Waksman and his co-worker H. B. Woodruff in 1940. It was approved by the US FDA on December 10, 1964 and launched by Merck Sharp and Dohme under the trade name Cosmegen.

* 本产品为: Actinomycin D solution(10mM in DMSO)。

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分子式: C₆₂H₈₆N₁₂O₁₆

分子量: 1255.44

MDL: MFCD00005033

纯度: >98 %

靶点: RNA polymerase