

XT17

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	XT17 is an anthrone compound with broad-spectrum antibacterial activity, exerting its effects by disrupting the cell wall and inhibiting DNA synthesis. It demonstrates weak hemolytic activity, low cytotoxicity to mammalian cell lines, and a low rate of resistance development. Additionally, XT17 shows in vivo efficacy in a mouse corneal infection model induced by Staphylococcus aureus or Pseudomonas aeruginosa. Further docking studies confirm that XT17 forms a stable complex with bacterial gyrase. XT17 is suitable for research in the field of anti-infective agents.
Targets(IC50)	Antibacterial,Antibiotic,DNA/RNA Synthesis

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481