

Sulfamethazine

Catalog No: tcsc2722



Available Sizes

Size: 10g



Specifications

CAS No:

57-68-1

Formula:

$C_{12}H_{14}N_4O_2S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (359.29 mM)

Alternative Names:

Sulfadimidine;Sulfadimerazine

Observed Molecular Weight:

278.33

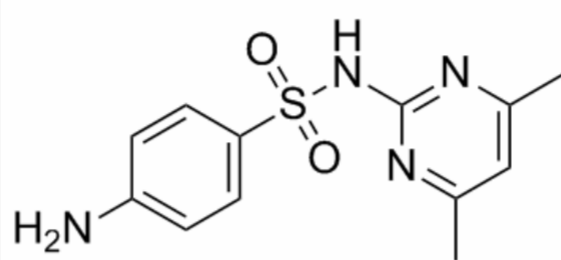
Product Description

Sulfamethazine is a sulfonamide antibacterial.

Target: Antibacterial

Sulfamethazine is an antibiotic used to treat bronchitis, prostatitis and urinary tract infections. Sulfamethazine blocks the synthesis

of dihydrofolic acid by inhibiting dihydropteroate synthase. In addition, sulfamethazine is a structural analog and competitive antagonist of para-aminobenzoic acid (PABA) and can inhibit normal bacterial utilization of PABA for the synthesis of folic acid, which is an important metabolite in DNA synthesis [1, 2].



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