

Sulfamerazine (sodium salt)

Catalog No: tcsc2721



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

127-58-2

Formula:

$C_{11}H_{11}N_4NaO_2S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in H₂O

Alternative Names:

Soluble sulfamerazine

Observed Molecular Weight:

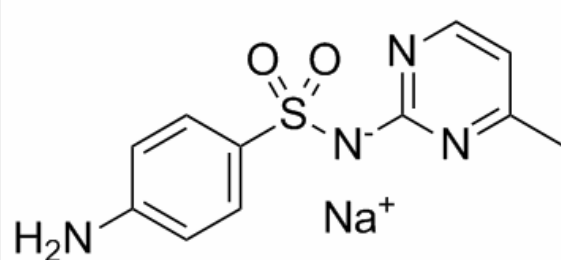
286.29

Product Description

Sulfamerazine Sodium is a sulfonamide antibacterial.

Target: Antibacterial

Sulfamerazine, the monomethyl derivative of sulfadiazine, is 2-sulfanilamido-4-methylpyrimidine. Sulfamerazine is a sulfonamide drug that inhibits bacterial synthesis of dihydrofolic acid by competing with para-aminobenzoic acid (PABA) for binding to dihydropteroate synthetase (dihydrofolate synthetase). Sulfamerazine is bacteriostatic in nature. Inhibition of dihydrofolic acid synthesis decreases the synthesis of bacterial nucleotides and DNA [1].



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