

Product Name:	Sulfamerazine sodium
Product Number:	S059
CAS Number:	127-58-2
Molecular Formula:	$C_{11}H_{11}N_4O_2SNa$
Molecular Weight:	286.69
Appearance:	White or light yellow crystalline powder
pH:	10.0-11.0
Storage Conditions:	2-8°C
Description:	Sulfamerazine is a bacteriostatic sulfonamide antibiotic. TOKU-E offers two forms of Sulfamerazine: <u>Sulfamerazine (S033)</u> and Sulfamerazine sodium (S059).
Mechanism of Action:	Like most sulfonamides, Sulfamerazine sodium inhibits folic acid synthesis by acting as a competitive inhibitor of Dihydropteroate synthetase, an enzyme found in the folic acid synthesis pathway.
Spectrum:	Sulfamerazine sodium is a broad spectrum antibiotic targeting a wide range of Gram positive and Gram negative bacteria.
References:	Henry, Richard J. "The Mode of Action of Sulfonamides." Bacteriology Reviews (n.d.): 175-84. www.ncbi.gov . Web. 27 Aug. 2012.