

# Sulfadoxine

Catalog No: tcsc2545



## Available Sizes

Size: 5g

Size: 10g



## Specifications

**CAS No:**

2447-57-6

**Formula:**

$C_{12}H_{14}N_4O_4S$

**Pathway:**

Anti-infection

**Target:**

Parasite

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (322.24 mM); H<sub>2</sub>O :

**Alternative Names:**

Sulphadoxine

**Observed Molecular Weight:**

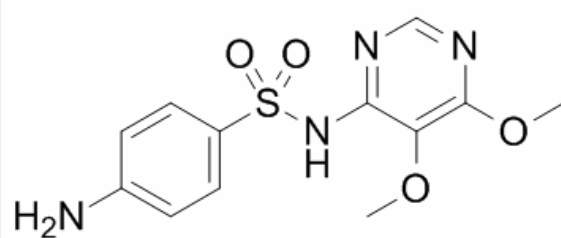
310.33

## Product Description

Sulfadoxine(Sulphadoxine) is a long acting sulfonamide that is used, usually in combination with other drugs, for respiratory, urinary tract and malarial infections.

Target: Antiparasitic

Sulfadoxine(Sulphadoxine) is an ultra-long-lasting sulfonamide. Sulfadoxine is often used in combination with pyrimethamine to treat or prevent malaria. Both drugs are antifolates; they inhibit the production of enzymes involved in the synthesis of folic acid within the parasites. Either drug by itself is only moderately effective in treating malaria, because the parasite *Plasmodium falciparum* may be able to use exogenous folic acid, i.e. folic acid which is present in the parasite's environment, while in combination, the two substances have a synergistic effect which outbalances that ability [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!