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# Sulfamethoxazole

National Cancer Institute

## Source

National Cancer Institute. *Sulfamethoxazole*. NCI Thesaurus. Code C47737.

A sulfonamide bacteriostatic antibiotic that is most commonly used in combination with trimethoprim as the drug Bactrim. Sulfamethoxazole competitively inhibits dihydropteroate synthase preventing the formation of dihydropteroic acid, a precursor of folic acid which is required for bacterial growth.