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Fosfomycin Tromethamine

National Cancer Institute

Source

National Cancer Institute. *Fosfomycin Tromethamine*. NCI Thesaurus. Code C47541.

The tromethamine salt form of fosfomycin, a synthetic broad-spectrum antibiotic. Fosfomycin tromethamine binds to and inactivates the enzyme enolpyruvyl transferase. This leads to an irreversible blockage of the condensation of uridine diphosphate-N-acetylglucosamine with p-enolpyruvate, which is one of the first steps of bacterial cell wall synthesis, thereby eventually causing cell lysis. In addition, fosfomycin tromethamine reduces the adherence of bacteria to uroepithelial cells. (NCI05)