Triclosan is a diarylether antimicrobial often found in commercial soap products. Triclosan exhibits antibacterial, antifungal, antiviral, and anti-inflammatory activities. Triclosan binds bacterial enoyl-acyl carrier protein reductase (ENR), increasing its affinity for NAD+ and forming a complex that prevents fatty acid synthesis and bacterial cell membrane formation. Triclosan also inhibits LPS-induced pro-inflammatory responses in epithelial cells.

References

