



LKT Laboratories, Inc.

Triclosan

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Product Information

Product ID T6931
CAS No. 3380-34-5
Chemical Name

Synonym

Formula $C_{12}H_7Cl_3O_2$
Formula Wt. 289.54

Melting Point

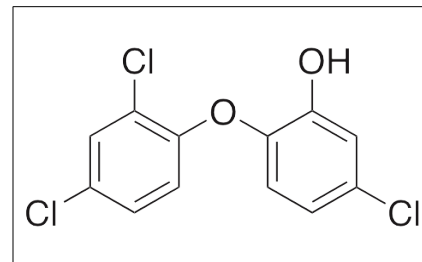
Purity $\geq 98\%$

Solubility Soluble in water (12 mg/ml at 20° C), methanol, chloroform, DMSO, and acetone

Store Temp 4° C

Ship Temp Ambient

Description 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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T6931	1 g	\$52.50
T6931	5 g	\$105.00
T6931	25 g	\$210.00

References Wallet MA, Calderon NI, Alonso TR, et al. Triclosan alters antimicrobial and inflammatory responses of epithelial cells. *Oral Dis.* 2013 Apr;19(3):296-302. PMID: 24079913.

Twanabasu BR, Smith CM, Stevens KJ, et al. Triclosan inhibits arbuscular mycorrhizal colonization in three wetland plants. *Sci Total Environ.* 2013 Mar 1;447:450-7. PMID: 23410867.

Russell AD. Whither triclosan? *J Antimicrob Chemother.* 2004 May;53(5):693-5. PMID: 15073159.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.