



## Product Information

**Product ID** T6931

**CAS No.** 3380-34-5

**Chemical Name**

**Synonym**

**Formula** C<sub>12</sub>H<sub>7</sub>Cl<sub>3</sub>O<sub>2</sub>

**Formula Wt.** 289.54

**Melting Point**

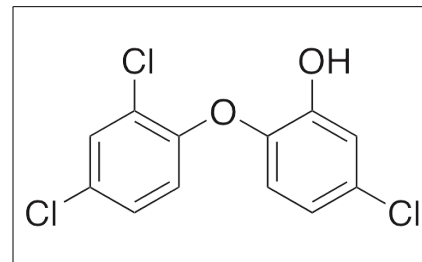
**Purity** ≥98%

**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<sup>+</sup> 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.



**Bulk quantities available upon request**

Product ID	Size
T6931	1 g
T6931	5 g
T6931	25 g

**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.