

## Product Information

**Product ID** S0053

**CAS No.** 481-06-1

**Chemical Name** [3S-(3α,3αα,5aβ,9bβ)]-3a,5,5a,9b-Tetrahydro-3,5a,9-trimethylnaphthol[1,2-b]furan-2,8(3H,4H)-dione

**Synonym** (-)-Santonine, Santonin

**Formula** C<sub>15</sub>H<sub>18</sub>O<sub>3</sub>

**Formula Wt.** 246.30

**Melting Point** 170-173 °C

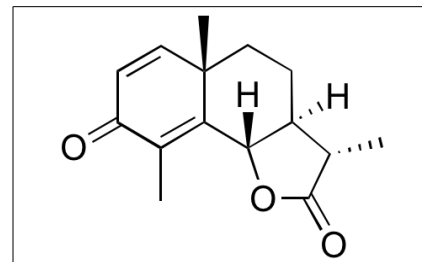
**Purity** ≥98%

**Solubility** Soluble in alcohol, ether and chloroform.

**Store Temp** 4 °C

**Ship Temp** Ambient

**Description** α-Santonin is a terpene found in *Artemisia* that exhibits antipyretic, anti-parasitic/anti-helminthic, and antibacterial activities. In animal models, α-santonin decreases body temperature. Derivatives of this compound exhibit other biological activities, including anticancer and anti-inflammatory properties.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
S0053	5 g	\$42.10
S0053	10 g	\$61.60
S0053	25 g	\$140.20

**References** Otoguro K, Iwatsuki M, Ishiyama A, et al. In vitro antitrypanosomal activity of plant terpenes against *Trypanosoma brucei*. *Phytochemistry*. 2011 Nov;72(16):2024-30. PMID: 21843897.

Arantes FF, Barbosa LC, Alvarenga ES, et al. Synthesis and cytotoxic activity of alpha-santonin derivatives. *Eur J Med Chem*. 2009 Sep;44(9):3739-45. PMID: 19406535.

Bharathi A, Polasa H. Elimination of ColE1 group (pBR322 and pBR329) plasmids in *Escherichia coli* by alpha-santonin. *FEMS Microbiol Lett*. 1990 Mar 1;56(1-2):213-5. PMID: 2185125.

Martín ML, Morán A, Carrón R, et al. Antipyretic activity of alpha- and beta-santonin. *J Ethnopharmacol*. 1988 Jul-Aug;23(2-3):285-90. PMID: 3193791.

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