



LKT Laboratories, Inc.

## Solanesol

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### Product Information

**Product ID** S5746

**CAS No.** 13190-97-1

**Chemical Name** (2E,6E,10E,14E,18E,22E,26E,30E)-3,7,11,15,19,23,27,31,35-Nonamethyl-2,6,10,14,18,22,26,30,34-hexa- triacontanonaen-1-ol

**Synonym** Nonaisoprenol

**Formula** C<sub>45</sub>H<sub>74</sub>O

**Formula Wt.** 631.07

**Melting Point** 41.5-42.5°C

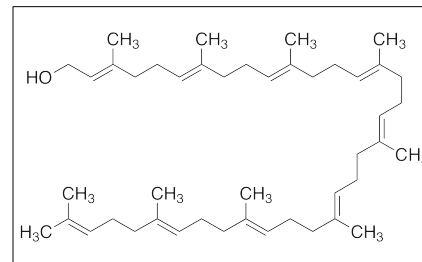
**Purity** ≥95%

**Solubility** Soluble in organic solvents.  
Insoluble in water.

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Solanesol is an all-trans nonaprenol isoprenoid found in plants in the *Solanaceae* family. Solanesol is clinically used as a biomarker for tobacco exposure as it is a byproduct of combustible tobacco use. Solanesol derivatives exhibit anticancer and antibacterial activities. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size   | List Price |
|------------|--------|------------|
| S5746      | 10 mg  | \$52.50    |
| S5746      | 50 mg  | \$149.90   |
| S5746      | 100 mg | \$224.70   |
| S5746      | 500 mg | \$636.80   |

**References** Purkis SW, Troude V, Hill CA. Effect of puffing intensity on cigarette smoke yields. *Regul Toxicol Pharmacol.* 2013 Jun;66(1):72-82. PMID: 23523712.

Tomida A, Suzuki H. Synergistic effect in culture of bleomycin-group antibiotics and N-solanesyl-N,N'-bis(3,4-dimethoxybenzyl) ethylenediamine, a synthetic isoprenoid. *Jpn J Cancer Res.* 1990 Nov;81(11):1184-90. PMID: 1702416.

Suzuki H, Tomida A, Nishimura T. Cytocidal activity of a synthetic isoprenoid, N-solanesyl-N,N'-bis(3,4-dimethoxybenzyl) ethylenediamine, and its potentiation of antitumor drugs against multidrug-resistant and sensitive cells in vitro. *Jpn J Cancer Res.* 1990 Mar;81(3):298-303. PMID: 2161816.

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