



# LKT Laboratories, Inc.

## Butylated Hydroxytoluene

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### Product Information

**Product ID** B7977

**CAS No.** 128-37-0

**Chemical Name** 2,6-Bis-(1,1-dimethylethyl)-4-methylphenol

**Synonym** BHT, Antracine 8, Ionol CP, Sustane, Dalpac, Impruvol, Vianol

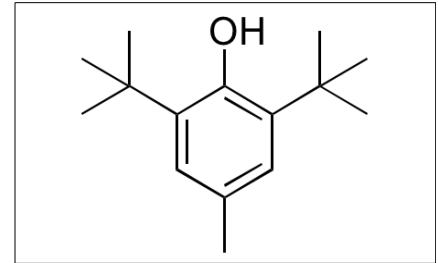
**Formula** C<sub>15</sub>H<sub>24</sub>O

**Formula Wt.** 220.35

**Melting Point** 70° C

**Purity** ≥98%

**Solubility** Insoluble in water. Soluble in ethanol, acetone, DMSO.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
B7977	100 g	\$38.30
B7977	500 g	\$92.90

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Butylated hydroxytoluene (BHT) is commonly used as a food and cosmetics additive; it exhibits antioxidative and anti-inflammatory activities. BHT may also display neuroprotective benefit, decreasing ethanol-induced brain damage and neurodegeneration and suppressing activation of NF-κB activation and COX-2 expression in vivo.

**References** Lee JH, Jung MY. Direct spectroscopic observation of singlet oxygen quenching and kinetic studies of physical and chemical singlet oxygen quenching rate constants of synthetic antioxidants (BHA, BHT, and TBHQ) in methanol. J Food Sci. 2010 Aug 1;75(6):C506-13. PMID: 20722904.

Crews F, Nixon K, Kim D, et al. BHT blocks NF-kappaB activation and ethanol-induced brain damage. Alcohol Clin Exp Res. 2006 Nov;30(11):1938-49. PMID: 17067360.

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