



LKT Laboratories, Inc.

## 2-n-Butylthiophene

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lctlabs.com](mailto:getinfo@lctlabs.com)  
Web: [lctlabs.com](http://lctlabs.com)

### Product Information

Product ID B8176

CAS No. 1455-20-5

**Chemical Name**

**Synonym**

Formula  $C_8H_{12}S$

Formula Wt. 140.25

**Melting Point**

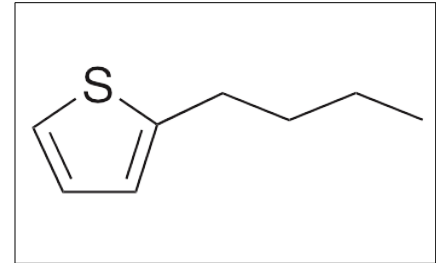
Purity  $\geq 98\%$

Solubility Soluble in acetone, DMSO,  
ethanol.

Store Temp Ambient

Ship Temp Ambient

**Description** 2-n-Butylthiophene is a sulfur analog of furan originally found in cooked meat products. 2-n-Butylthiophene is a phase II enzyme inducer that exhibits antioxidative and chemopreventive activities. This compound increases levels of glutathione and glutathione-S-transferase, preventing benzo[a]pyrene-induced tumor formation.



**Bulk quantities available upon request**

Product ID	Size
B8176	5 g
B8176	10 g

**References** Lam LK, Zheng BL. Inhibitory effects of 2-n-heptylfuran and 2-n-butylthiophene on benzo[a]pyrene-induced lung and forestomach tumorigenesis in A/J mice. *Nutr Cancer*. 1992;17(1):19-26. PMID: 1574441.

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