



LKT Laboratories, Inc.

## Guaifenesin

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### Product Information

**Product ID** G8101

**CAS No.** 93-14-1

**Chemical Name** 3-(2-Methoxyphenoxy)-1,2-propanediol

**Synonym** Glycerol guaiacolate, Equicol, Glycodex, Miocaina, Oresol, Relaxil G, Sirotol, Tulyl

**Formula** C<sub>10</sub>H<sub>14</sub>O<sub>4</sub>

**Formula Wt.** 198.22

**Melting Point** 78.5-79° C

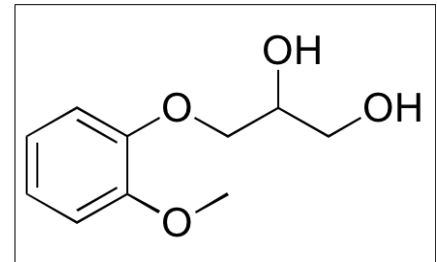
**Purity** ≥98%

**Solubility** Soluble in water (14 mg/mL), ethanol, chloroform, DMF, or glycerol.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Guaifenesin is an expectorant that alleviates symptoms of mucus accumulation. Guaifenesin inhibits mucin production, increases mucociliary transport, and decreases the viscoelasticity of mucus in airway epithelial cells.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
G8101	25 g	\$31.70
G8101	100 g	\$85.10
G8101	500 g	\$242.70

**References** Seagrave J, Albrecht H, Park YS, et al. Effect of guaifenesin on mucin production, rheology, and mucociliary transport in differentiated human airway epithelial cells. *Exp Lung Res.* 2011 Dec;37(10):606-14. PMID: 22044398.

Kagan L, Lavy E, Hoffman A. Effect of mode of administration on guaifenesin pharmacokinetics and expectorant action in the rat model. *Pulm Pharmacol Ther.* 2009 Jun;22(3):260-5. PMID: 19166957.

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