



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, Tulyn

Formula C₁₀H₁₄O₄

Formula Wt. 198.22

Melting Point 78.5-79 °C

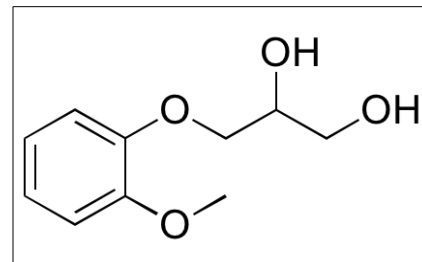
Purity ≥98%

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.



Bulk quantities available upon request

Product ID	Size
G8101	25 g
G8101	100 g
G8101	500 g

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.