



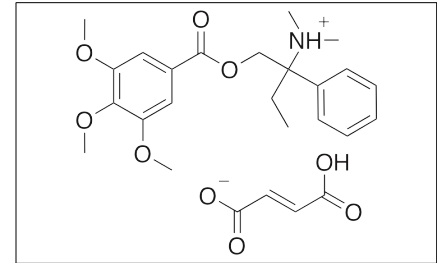
## Product Information

**Product ID** T6934  
**CAS No.** 34140-59-5  
**Chemical Name** 3,4,5-Trimethoxybenzoic acid 2-(dimethylamino)-2-phenylbutyl ester maleate  
**Synonym** Cerekinon, Debridat, Digerent, Foldox, Polibutin, Spabucol, Trimedat  
**Formula**  $C_{22}H_{29}NO_5 \cdot C_4H_4O_4$   
**Formula Wt.** 503.54  
**Melting Point** 105-106 °C  
**Purity** ≥96%  
**Solubility** Slightly soluble in chloroform, methanol. Soluble in water (35 mg/mL), ethanol, DMSO.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Trimebutine exhibits antibacterial and gastrointestinal motility modulating activities; it is clinically used to treat irritable bowel syndrome (IBS). Trimebutine displays antibiotic activity against *Escherichia* and *Pseudomonas*. This compound enhances gastrointestinal muscle contractions by inhibiting L-type  $Ca^{2+}$  channels and decreasing  $Ca^{2+}$ -sensitive BK  $K^+$  currents and may also act as an agonist at opioid receptors.



**Bulk quantities available upon request**

Product ID	Size
T6934	1 g
T6934	5 g

**References** Kountouras J, Sofianou D, Gavalas E, et al. Trimebutine as a potential antimicrobial agent: a preliminary in vitro approach. Hippokratia. 2012 Oct;16(4):347-9. PMID: 23935315.

Tan W, Zhang H, Luo HS, et al. Effects of trimebutine maleate on colonic motility through  $Ca^{2+}$ -activated  $K^+$  channels and L-type  $Ca^{2+}$  channels. Arch Pharm Res. 2011 Jun;34(6):979-85. PMID: 21725819.

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