



Product Information

Product ID L1682

CAS No. 16595-80-5

Chemical Name Imidazo(2,1-b)thiazole,2,3,5,6-tetrahydro-6-phenyl-, monohydrochloride, (-)- (8Cl)

Synonym Tetramisole hydrochloride, Citarin L, Ergamisol, Spartakon

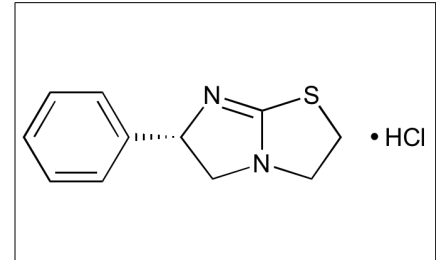
Formula C₁₁H₁₂N₂S • HCl

Formula Wt. 240.76

Melting Point 228-230 °C

Purity ≥98%

Solubility Soluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L1682	5 g	\$44.80
L1682	10 g	\$74.90

Store Temp Ambient

Ship Temp Ambient

Description Levamisole is an imidazothiazole that exhibits immunomodulatory, anti-parasitic, anti-helminthic, anti-angiogenic, and anticancer chemotherapeutic activities. Levamisole inhibits alkaline phosphatase and may act as an agonist at nicotinic acetylcholine receptors (nAChRs). In multiple myeloma cells, levamisole induces DNA fragmentation, cytochrome c release and caspase 3 activation, inhibiting cellular proliferation. In other models, levamisole also inhibits proliferation and differentiation of endothelial cells and suppresses growth of various tumors in vivo.

References Ramanadham M, Nageshwari B. Anti-proliferative effect of levamisole on human myeloma cell lines in vitro. J Immunotoxicol. 2010 Oct-Dec;7(4):327-32. PMID: 20860474.

Friis T, Engel AM, Klein BM, et al. Levamisole inhibits angiogenesis in vitro and tumor growth in vivo. Angiogenesis. 2005;8(1):25-34. PMID: 16132615.

Zinser EW, Wolf ML, Alexander-Bowman SJ, et al. Anthelmintic paraherquamides are cholinergic antagonists in gastrointestinal nematodes and mammals. J Vet Pharmacol Ther. 2002 Aug;25(4):241-50. PMID: 12213111.

Van Belle H. Alkaline phosphatase. I. Kinetics and inhibition by levamisole of purified isoenzymes from humans. Clin Chem. 1976 Jul;22(7):972-6. PMID: 6169.

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