



Tetramisole hydrochloride PRODUCT DATA SHEET

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Product Name:	Tetramisole hydrochloride
Product Number:	T061
CAS Number:	5086-74-8
Molecular Formula:	$C_{11}H_{12}N_2S \cdot HCl$
Molecular Weight:	240.75
Appearance:	White or pale yellow crystalline powder
pH:	4.0 - 5.5
Melting Point:	262 - 267°C
Description:	Tetramisole hydrochloride (levamisole, ergamisol) is an alkaline phosphatase inhibitor with antihelminthic and anticancer properties.
Mechanism of Action:	Tetramisole HCl inhibits parasitic worm growth by acting as an agonist to nicotinic acetylcholine receptors leading to paralysis. The mechanism of action for anticancer activity is unknown.
Spectrum:	Tetramisole HCl inhibits kidney, liver, placenta, bone, and tumor alkaline phosphatases.
References:	Artwohl, Michaela. "Levamisole Induced Apoptosis in Cultured Vascular Endothelial Cells." British Journal of Pharmacology 131.8 (2000): 1577-583. Web.

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