

Levamisole (hydrochloride)

Catalog No: tcsc2372



Available Sizes

Size: 5g

Size: 10g



Specifications

CAS No:

16595-80-5

Formula:

$C_{11}H_{13}ClN_2S$

Pathway:

Anti-infection

Target:

Parasite

Purity / Grade:

>98%

Solubility:

DMSO : 15.5 mg/mL (64.38 mM; Need ultrasonic and warming)

Alternative Names:

(-)-Tetramisole hydrochloride

Observed Molecular Weight:

240.75

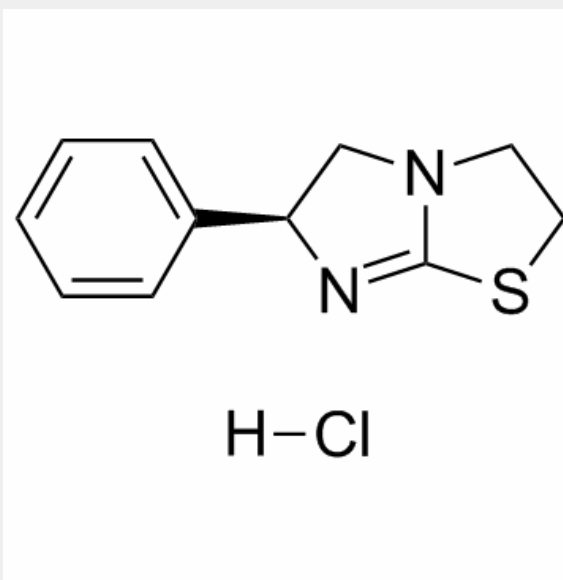
Product Description

Levamisole Hcl is an anthelmintic and immunomodulator belonging to a class of synthetic imidazothiazole derivatives.

IC50 value:

Target:

Levamisole suppresses the production of white blood cells, resulting in neutropenia and agranulocytosis. With the increasing use of levamisole as an adulterant, a number of these complications have been reported among cocaine users [1] [2]. Levamisole reversibly and noncompetitively inhibits most isoforms of alkaline phosphatase (e.g., human liver, bone, kidney, and spleen) except the intestinal and placental isoform [3]. It is thus used as an inhibitor along with substrate to reduce background alkaline phosphatase activity in biomedical assays involving detection signal amplification by intestinal alkaline phosphatase, for example in in situ hybridization or Western blot protocols. It is used to immobilize the nematode *C. elegans* on glass slides for imaging.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!