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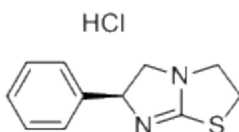
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Technical Data Sheet

Levamisole hydrochloride

Product Information

Chemical Name	Levamisole hydrochloride
CAS #	16595-80-5
Formula	C ₁₁ H ₁₃ CIN ₂ S
Molecular Weight	240.75
Synonyms	Levamisole Hcl
Chemical Structure	



Description

Levamisole HCL is white crystalline powder , Levamisole is a medication used to treat parasitic worm infections. It has also been studied as a method to stimulate the immune system as part of the treatment of cancer. Levamisole remains in veterinary use as a dewormer for livestock .

Physical Properties

Melting point, °C . 226-231 °C

Specification

Items	Specification
Appearance	White crystalline powder
Melting point	225~230 °C
Specific optical rotation	≤-121.5°
Chemical reaction	Positive
IR	Conforms to the reference spectrum
Chemical reaction	Positive

Appearance of solution	Complies
Acidity	3.5~5.0
Light absorption	≤0.2
2-Iminothiazolidine derivatives	≤0.04 %
2,3-Dihydro-6-phenylimidazo[2,1-b]thiazole	≤0.5 %
Loss on drying	≤0.5
Sulphated ash	≤0.1 %
Assay	≥98.5,dried base

Safety

Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Severe over-exposure can result in death.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

It is an anthelmintic (anti-worm) agent commonly used in large livestock such as cattle, pigs and sheep. Levamisole HCl is used in humans for diseases related to imbalances in the regulation of immune responses or deficiencies of the immune system, including autoimmune diseases, chronic and recurrent diseases, chronic infections and cancer. It has beneficial effects on host defense mechanisms and restores depressed immune responses in animals and humans. Another interesting use of levamisole in humans is as a treatment for common warts (*verruca vulgaris*).

Packaging

25kg/fiber drum

Storage & Handling

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light-resistant containers.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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