



LKT Laboratories, Inc.

Methimazole

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID M1976
CAS No. 60-56-0
Chemical Name 1,3-Dihydro-1-methyl-2H-imidazole-2-thione

Synonym Basolan, Favistan, Frentirox, Mercazole, Tapazole, Thycapsol, Strumazol

Formula C₄H₆N₂S
Formula Wt. 114.17

Melting Point 146-148 °C

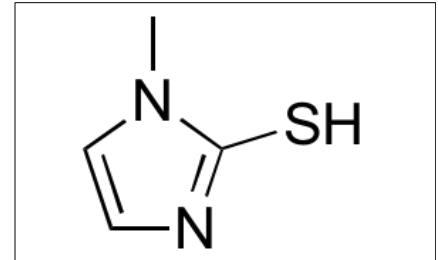
Purity ≥98%

Solubility Soluble in water (200 mg/mL), ethanol (200 mg/mL), or chloroform. Slightly soluble in ether or benzene.

Store Temp Ambient

Ship Temp Ambient

Description Methimazole is a thioamide immunomodulatory anti-thyroid compound that is clinically used to treat hyperthyroidism and Graves' disease. Methimazole is an irreversible inhibitor of thyroid peroxidase; it decreases levels of CXCL10 and downregulates expression of IFN γ receptors.



Bulk quantities available upon request

Product ID	Size
M1976	10 g
M1976	25 g

References Rivkees SA. Pediatric Graves' disease: management in the post-propylthiouracil Era. *Int J Pediatr Endocrinol.* 2014;2014(1):10. PMID: 25089127.

Manna D, Roy G, Mughesh G. Antithyroid drugs and their analogues: synthesis, structure, and mechanism of action. *Acc Chem Res.* 2013 Nov 19;46(11):2706-15. PMID: 23883148.

Crescioli C, Cosmi L, Borgogni E, et al. Methimazole inhibits CXC chemokine ligand 10 secretion in human thyrocytes. *J Endocrinol.* 2007 Oct;195(1):145-55. PMID: 17911406.

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