



LKT Laboratories, Inc.

7-Methyl-6-mercaptopurine

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Product Information

Product ID M1575

CAS No. 3324-79-6

Chemical Name 1,7-dihydro-7-methyl-6H-Purine-6-thione

Synonym 7-Methyl-6-thiopurine, 7-Methylpurine-6-thiol

Formula C₆H₆N₄S

Formula Wt. 166.21

Melting Point 286-288°C

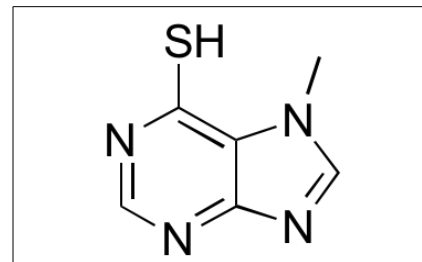
Purity ≥87%

Solubility Soluble in DMSO.

Store Temp -20°C

Ship Temp Ambient

Description 7-Methyl-6-mercaptopurine is a thiopurine antimetabolite and derivative of 6-mercaptopurine; it exhibits immunosuppressive, anti-inflammatory, and anticancer chemotherapeutic activities. This compound is clinically used to treat inflammatory bowel disorder (IBD), Crohn's disease, and leukemias and lymphomas. This compound suppresses metabolism of inosine monophosphate (IMP), inhibiting phosphoribosylpyrophosphate amidotransferase; this prevents synthesis of purines, DNA, and RNA. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M1575	10 mg	\$67.40
M1575	50 mg	\$155.20
M1575	100 mg	\$258.70
M1575	500 mg	\$869.40

References Bradford K, Shih DQ. Optimizing 6-mercaptopurine and azathioprine therapy in the management of inflammatory bowel disease. *World J Gastroenterol.* 2011 Oct 7;17(37):4166-73. PMID: 22072847.

Nielsen OH, Vainer B, Rask-Madsen J. Review article: the treatment of inflammatory bowel disease with 6-mercaptopurine or azathioprine. *Aliment Pharmacol Ther.* 2001 Nov;15(11):1699-708. PMID: 11683683.

Lennard L, Welch JC, Lilleyman JS. Thiopurine drugs in the treatment of childhood leukaemia: the influence of inherited thiopurine methyltransferase activity on drug metabolism and cytotoxicity. *Br J Clin Pharmacol.* 1997 Nov;44(5):455-61. PMID: 9384462.

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