



LKT Laboratories, Inc.

Hypoxanthine

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Product Information

Product ID H9763

CAS No. 68-94-0

Chemical Name 1,7-Dihydro-6H-purin-6-one

Synonym purin-6(1H)-one, Sarcine, Sarkin

Formula C₅H₄N₄O

Formula Wt. 136.11

Melting Point 150°C (dec. with ° ut

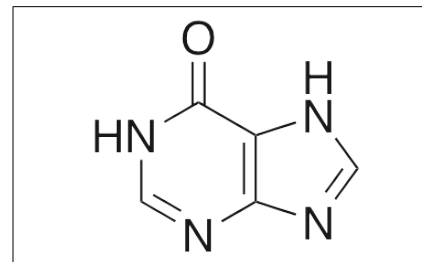
Purity ≥98%

Solubility Soluble in dil acids and alkalies.

Store Temp Ambient

Ship Temp Ambient

Description Hypoxanthine is an endogenous purine derivative redox substrate/product of xanthine via conversion by xanthine oxidase or xanthine oxidoreductase. Hypoxanthine levels are measured in commercial meat and fish to indicate freshness levels prior to consumption.



Bulk quantities available upon request

Product ID	Size
H9763	5 g
H9763	25 g
H9763	100 g

References Ipata PL, Balestri F. The functional logic of cytosolic 5'-nucleotidases. *Curr Med Chem.* 2013;20(34):4205-16. PMID: 23992316.

Okamoto K, Kusano T, Nishino T. Chemical nature and reaction mechanisms of the molybdenum cofactor of xanthine oxidoreductase. *Curr Pharm Des.* 2013;19(14):2606-14. PMID: 23116398.

Lawal AT, Adeloju SB. Progress and recent advances in fabrication and utilization of hypoxanthine biosensors for meat and fish quality assessment: a review. *Talanta.* 2012 Oct 15;100:217-28. PMID: 23141330.

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