



Product Information

Product ID U6901
CAS No. 66-22-8
Chemical Name 2,4(1H,3H)-Pyrimidinedione

Synonym 2,4-Dihydroxypyrimidine, 2,4-Pyrimidinediol

Formula C₄H₄N₂O₂

Formula Wt. 112.09

Melting Point 335° C

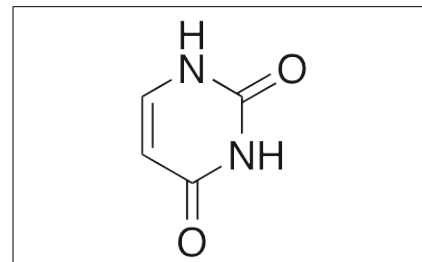
Purity ≥98%

Solubility Soluble in hot water. Insoluble in alcohol or ether. soluble in ammonia water and other alkalies (pH 9.5).

Store Temp Ambient

Ship Temp Ambient

Description Uracil is an endogenous pyrimidine base found in RNA. Derivatives of uracil such as 5-fluorouracil exhibit anticancer chemotherapeutic activity. Other derivatives display antibacterial efficacy. Uracil is used in the synthesis of caffeine and plays a role in glucose metabolism.



Bulk quantities available upon request

Product ID	Size
U6901	10 g
U6901	25 g
U6901	100 g

References Matyugina E, Khandazhinskaya A, Chernousova L, et al. The synthesis and antituberculosis activity of 5'-nor carbocyclic uracil derivatives. *Bioorg Med Chem*. 2012 Nov 15;20(22):6680-6. PMID: 23062712.

Parker JB, Stivers JT. Dynamics of uracil and 5-fluorouracil in DNA. *Biochemistry*. 2011 Feb 8;50(5):612-7. PMID: 21190322.

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