



Product Information

Product ID F7657

CAS No. 17902-23-7

Chemical Name 5-Fluoro-1-(tetrahydro-2-furanyl)-2,4(1H,3H)- pyrimidinedione

Synonym Tegafur, Citofur, Furaflur, 5-Fluoro-1-(tetrahydro-2-furyl) uracil

Formula C₈H₉FN₂O₃

Formula Wt. 200.17

Melting Point 164-169 °C

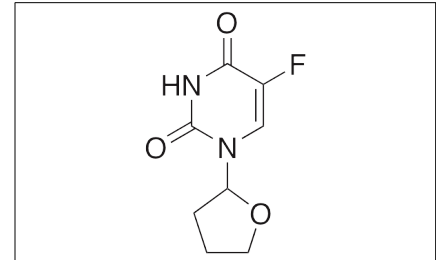
Purity ≥98%

Solubility Soluble in hot water, ethanol, methanol, or DMSO.

Store Temp Ambient

Ship Temp Ambient

Description Ftorafur is an antimetabolite pyrimidine analog that exhibits anticancer chemotherapeutic activity. Ftorafur is a prodrug of 5-fluorouracil that inhibits thymidylate synthase, preventing thymidine synthesis. Ftorafur is typically clinically co-administered with other chemotherapeutics to decrease its peripheral cytotoxicity.



Bulk quantities available upon request

Product ID	Size
F7657	250 mg
F7657	1 g

References Fukushima M. Antitumor activity and function of S-1, a new oral tegafur-based formulation. *Gan To Kagaku Ryoho*. 2006 Jun;33 Suppl 1:19-26. PMID: 16897968.

Longley DB, Harkin DP, Johnston PG. 5-fluorouracil: mechanisms of action and clinical strategies. *Nat Rev Cancer*. 2003 May;3(5):330-8. PMID: 12724731.

Tanaka F, Fukuse T, Wada H, et al. The history, mechanism and clinical use of oral 5-fluorouracil derivative chemotherapeutic agents. *Curr Pharm Biotechnol*. 2000 Sep;1(2):137-64. PMID: 11467334.

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