



LKT Laboratories, Inc.

Capecitabine

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Product Information

Product ID C0162

CAS No. 154361-50-9

Chemical Name pentyl N-[1-[(2R,3R,4S,5R)-3,4-dihydroxy-5-methyloxolan-2-yl]-5-fluoro-2-oxypyrimidin-4-yl]carbamate

Synonym

Formula C₁₅H₂₂FN₃O₆

Formula Wt. 359.35

Melting Point 110-121 °C

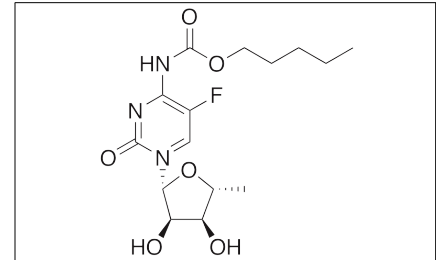
Purity ≥98%

Solubility

Store Temp 4 °C

Ship Temp Ambient

Description Capecitabine is an antifolate anticancer chemotherapeutic that acts as a prodrug of 5-fluorouracil (5-FU), a fluoropyrimidine carbamate that inhibits thymidylate synthase. Capecitabine is converted to 5-FU by thymidine phosphorylase in vivo. Capecitabine displays varying efficacy in the treatment of colorectal, metastatic breast, prostate, ovarian, and pancreatic cancers.



Bulk quantities available upon request

Product ID **Size**

C0162 50 mg

C0162 250 mg

C0162 1 g

C0162 5 g

References Wilson PM, Fazzino W, LaBonte MJ, et al. Novel opportunities for thymidylate metabolism as a therapeutic target. *Mol Cancer Ther.* 2008 Sep;7(9):3029-37. PMID: 18790783.

Walko CM, Lindley C. Capecitabine: a review. *Clin Ther.* 2005 Jan;27(1):23-44. PMID: 15763604.

Ishikawa T, Utoh M, Sawada N, et al. Tumor selective delivery of 5-fluorouracil by capecitabine, a new oral fluoropyrimidine carbamate, in human cancer xenografts. *Biochem Pharmacol.* 1998 Apr 1;55(7):1091-7. PMID: 9605432.

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