



LKT Laboratories, Inc.

Doxifluridine

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Product Information

Product ID D5692

CAS No. 3094-09-5

Chemical Name 5'-Deoxy-5-fluorouridine

Synonym 5'-DFUR, Flutron, Furtulon

Formula C₉H₁₁FN₂O₅

Formula Wt. 246.19

Melting Point 189-190 °C

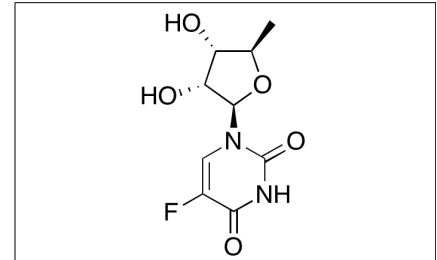
Purity ≥98%

Solubility Soluble in water (50 mg/mL), DMSO (10 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Doxifluridine is a pyrimidine nucleoside analog that exhibits anticancer chemotherapeutic activity. Doxifluridine is a prodrug of 5-fluorouracil that is activated by thymidine phosphorylase. In vivo, doxifluridine inhibits thymidylate synthase and clinically, it is used to treat various forms of cancer. This compound induces apoptosis in gastric carcinoma models and downregulates expression of FasL and PD-ECGF.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D5692	50 mg	\$55.10
D5692	100 mg	\$99.20
D5692	250 mg	\$248.10

References Zhao WH, Wang SF, Ding W, et al. Apoptosis induced by preoperative oral 5'-DFUR administration in gastric adenocarcinoma and its mechanism of action. *World J Gastroenterol.* 2006 Mar 7;12(9):1356-61. PMID: 16552801.

Saurat JH. Retinoids and psoriasis: novel issues in retinoid pharmacology and implications for psoriasis treatment. *J Am Acad Dermatol.* 1999 Sep;41(3 Pt 2):S2-6. PMID: 10459139.

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