

Product Information

Product ID F4557
CAS No. 50-91-9
Chemical Name 2'-Deoxy-5-fluorouridine

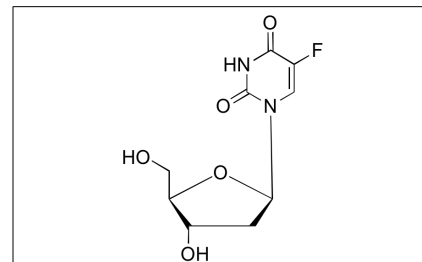
Synonym NSC-27640, FUDR

Formula C₉H₁₁FN₂O₅
Formula Wt. 246.19
Melting Point 150-151 °C
Purity ≥98%
Solubility Soluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Floxuridine is a fluorinated pyrimidine; it is an analog of 5-fluorouracil (5-FU). Floxuridine exhibits antiviral and anticancer chemotherapeutic activities. Floxuridine acts as an antimetabolite, inhibiting thymidylate synthase and inducing apoptosis in cancer cells. This compound also inhibits replication of dengue virus.



Bulk quantities available upon request

Product ID	Size
F4557	100 mg
F4557	500 mg
F4557	1 g

References Fischer MA, Smith JL, Shum D, et al. Flaviviruses are sensitive to inhibition of thymidine synthesis pathways. J Virol. 2013 Sep;87(17):9411-9. PMID: 23824813.

Muñoz-Pinedo C, Robledo G, López-Rivas A. Thymidylate synthase inhibition triggers glucose-dependent apoptosis in p53-negative leukemic cells. FEBS Lett. 2004 Jul 16;570(1-3):205-10. PMID: 15251465.

Tobias SC, Borch RF. Synthesis and biological studies of novel nucleoside phosphoramidate prodrugs. J Med Chem. 2001 Dec 6;44(25):4475-80. PMID: 11728193.

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