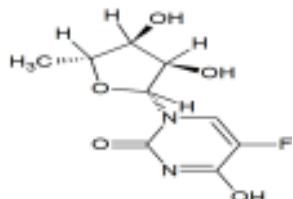


Doxifluridine

ALTERNATE NAME: 5'-Deoxy-5-fluorouridine
5-fluoro-5'-deoxyuridine
Furtulon

CATALOG #: B2650-50 50 mg
B2650-250 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₉H₁₁FN₂O₅

MOLECULAR WEIGHT: 246.19

CAS NUMBER: 3094-09-5

APPEARANCE: White solid

PURITY: ≥98%

SOLUBILITY: >10 mg/ml DMSO
>20 mg/ml Water

DESCRIPTION: Doxifluridine is a fluoropyrimidine derivative that acts as an oral prodrug of the antineoplastic agent 5-fluorouracil (5-FU) with antitumor activity. Doxifluridine, designed to circumvent the rapid degradation of 5-FU by dihydropyrimidine dehydrogenase in the gut wall, is converted into 5-FU in the presence of pyrimidine nucleoside phosphorylase. 5-FU interferes with DNA synthesis and subsequent cell division by reducing normal thymidine production and interferes with RNA transcription by competing with uridine triphosphate for incorporation into the RNA strand.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Coumermycin A1 (B2414)
6-Azauridine (B1024)
Fludarabine Phosphate (1763)
Bendamustine Hydrochloride (B1596)
Carmofur (B2448)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*