

Catalog # 10-1277

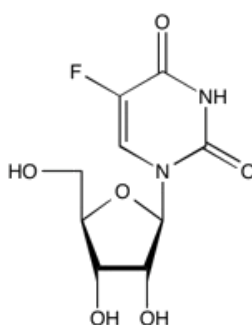
5-Fluorouridine

CAS# 316-46-1

FUrd

1-(β -D-Ribofuranosyl)-5-fluorouracil

Lot # X106308



Inhibitor of ribozyme self-cleavage in mammalian cells.¹ Induces apoptosis in HCT-116 colorectal carcinoma cells causing diverse gene expression patterns suggesting that mechanisms besides global inhibition of RNA synthesis and processing contribute to 5-fluorouridine cytotoxicity.² Cell permeable and active *in vivo*.

- 1) Yen *et al.* (2006), *Identification of inhibitors of ribozyme self-cleavage in mammalian cells via high-throughput screening of chemical libraries*; RNA, **12** 797
- 2) Schmittgen *et al.* (2005), *Diverse gene expression pattern during 5-fluorouridine-induced apoptosis*; Int. J. Oncol., **27** 297

PHYSICAL DATA

Molecular Weight:	262.19
Molecular Formula:	C ₉ H ₁₁ FN ₂ O ₆
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml), in Water (up to 50 mg/ml) or in Ethanol (up to 6 mg/ml with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO, distilled water or ethanol may be stored at -20°C for up to 3 months

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