

5-Fluorouridine, Proapoptotic antiproliferative agent

Catalog	Unit
TBI1277-100MG	100 mg
TBI1277-250MG	250 mg

Product Details

Formal Name: 1-(β-D-Ribofuranosyl)-5-fluorouracil

Alternate Names: FUrd

Molecular Formula: C₉H₁₁FN₂O₆

Formula Weight: 262.19

CAS Number: 316-46-1

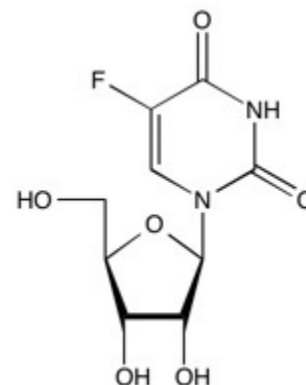
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) in Water (up to 50 mg/ml) or in Ethanol (up to 6 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Proapoptotic antiproliferative agent

Functions

Inhibitor of ribozyme self-cleavage in mammalian cells. 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. Cell permeable and active in vivo.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) in Water (up to 50 mg/ml) or in Ethanol (up to 6 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO, water, or ethanol may be stored at -20°C for up to 3 months.

For research use only.