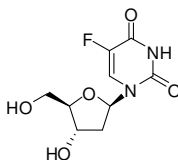




## Certificate of Analysis

**Axon Catalogue ID:** 3462 **Batch Number:** 1  
**Product Name:** Floxuridine  
**Alternative Name(s):** 5-Fluorodeoxyuridine; FdUrd  
**IUPAC Name:** 5-Fluoro-1-((2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2,4(1H,3H)-dione

**Structure:**



**Amount:**

**CAS number(s):** 50-91-9  
**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>FN<sub>2</sub>O<sub>5</sub> **Molecular Weight:** 246.19  
**Batch Molecular Formula:** C<sub>9</sub>H<sub>11</sub>FN<sub>2</sub>O<sub>5</sub> **Batch Molecular Weight:** 246.19  
**Appearance:** Off-white solid **Observed mp:** 151 °C  
**TLC (R<sub>f</sub>):** 0.17 DCM/MeOH (9:1)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 43.91, H 4.50, N 11.38; Found: C 43.99, H 4.55, N 11.40

**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	24.6	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.6	>100 mM	
	EtOH	18.4	74.8	

**Remarks:**

**QC Date:** 12-11-2021

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**