

**Product Name:** 2'-Deoxyuridine, 98+%  
**Catalog Number:** A16026.06

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**CAS Number:** 951-78-0  
**IUPAC Name:** 1-[(2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-1,2,3,4-tetrahydropyrimidine-2,4-dione  
**Molecular Formula:** C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight:** 228.20  
**MDL Number:** MFCD00006527  
**InChI Key:** MXHRCPNRJAMMIM-SHYZEUOFS-A-N  
**SMILES:** OC[C@H]1O[C@H](C[C@@H]1O)N1C=CC(=O)NC1=O  
**Synonym:** 2'-deoxyuridine, deoxyuridine

## Product Specification

**Appearance (Color):** White to pale cream  
**Form:** Crystals or powder or crystalline powder  
**Melting Point (clear melt):** 157-168°C  
**Assay (HPLC):** ≥98.0%  
**Optical Rotation:** +52.0° ± 2.0° (c=1, 1M NaOH)

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**Date Of Print:** 01/12/2026

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*