

Product Information

2'-Bromo-2'-deoxyuridine

Cat. No.: X24-03-LY051

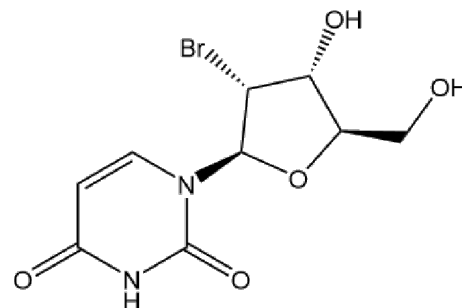
Size: 250 mg; 1 g; 5 g; 10 g; 25 g

MDL: MFCD06658226

CAS Number: 4753-02-0

PubChem CID: 188257

Synonym: 4753-02-0; 2'-Bromo-2'-deoxy-D-uridine; 1-((2*R*, 3*R*, 4*R*, 5*R*)-3-Bromo-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2, 4(1*H*, 3*H*)-dione



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	2'-Bromo-2'-deoxyuridine belongs to the deoxyriboside analog. It is a product formed when an oxygen atom in the uridine molecule is replaced by a bromine atom.
Molecular Weight	307.10
Molecular Formula	C ₉ H ₁₁ BrN ₂ O ₅
IUPAC Name	1-[(2 <i>R</i> , 3 <i>R</i> , 4 <i>R</i> , 5 <i>R</i>)-3-Bromo-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2, 4-dione
InChI	InChI=1S/C9H11BrN2O5/c10-6-7(15)4(3-13)17-8(6)12-2-1-5(14)11-9(12)16/h1-2, 4, 6-8, 13, 15H, 3H2, (H, 11, 14, 16)/t4-, 6-, 7-, 8-/m1/s1
InChI Key	FEUDNSHXOOLCEY-XVFCMESISA-N
Canonical SMILES	C1=CN(C(=O)NC1=O)C2C(C(C(O2)CO)O)Br
Isomeric SMILES	C1=CN(C(=O)NC1=O)[C@H]2[C@@H]([C@@H]([C@H](O2)CO)O)Br
Form	White to off-white solid
Purity	≥98%
Applications	2'-Bromo-2'-deoxyuridine can be used as a raw material for antiviral drugs helps to study the biological activity and biological function of nucleosides.
Storage	Store at -20°C.

Safety Information

Personal Protective Gloves, eyeshields, N95 mask



Equipment

Hazard Statements H302-H315-H320-H335
