

Product Information

5-Bromo-2'-deoxy-2'-fluorouridine

Cat. No.: X24-03-LY690

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

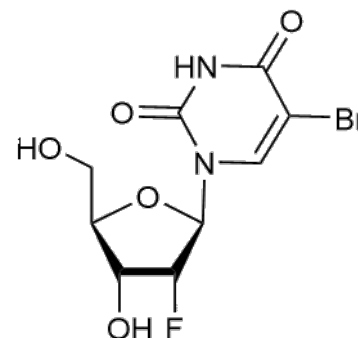
CAS Number: 55612-18-5

Compound CID: 13647260

Synonym: 55612-18-5; 5-BroMo-2'-fluoro-2'-deoxyuridine;

5-Bromo-1-(2-fluoro-2-deoxyribofuranosyl)uracil

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



Product Information

Description	5-Bromo-2'-deoxy-2'-fluorouridine is a modified nucleoside with antiviral and antitumor activity.
Molecular Weight	325.09
Molecular Formula	C ₉ H ₁₀ BrFN ₂ O ₅
IUPAC Name	5-Bromo-1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i>)-3-fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2,4-dione
InChI	InChI=1S/C9H10BrFN2O5/c10-3-1-13(9(17)12-7(3)16)8-5(11)6(15)4(2-14)18-8/h1,4-6,8,14-15H,2H 2,(H,12,16,17)/t4-,5-,6-,8-/m1/s1
InChI Key	WFOXFPXBLFRFHB-UAKXSSHOSA-N
Canonical SMILES	C1=C(C(=O)NC(=O)N1C2C(C(C(O2)CO)O)F)Br
Isomeric SMILES	C1=C(C(=O)NC(=O)N1[C@H]2[C@@H]([C@@H]([C@H](O2)CO)O)F)Br
Form	Solid
Purity	≥98%
Applications	5-Bromo-2'-deoxy-2'-fluorouridine is commonly used as an intermediate in antiviral drugs.
Storage	Store at -20°C.