

Product Information

2,4-Dithiouridine

Cat. No.: X24-03-LY672

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

CAS Number: 13239-96-8

Compound CID: 21627889

Synonym: 13239-96-8;

1-((2*R*,3*R*,4*S*,5*R*

)-3,4-Dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2,4(1*H*,3*H*)-dithione;

((2*R*,3*S*,5*R*

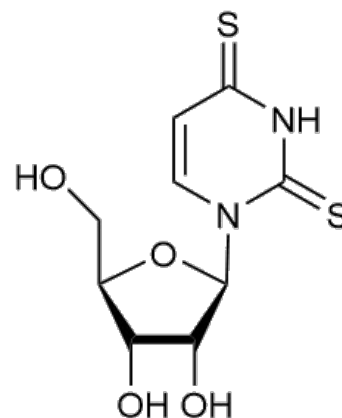
)-3-Acetoxy-5-(2,4-dioxo-3,4-dihydro

pyrimidin-1(2*H*)-yl)tetrahydrofuran-2-yl)methylacetate;

[(2*R*,3*S*,5*R*

)-3-(Acetyloxy)-5-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-1-yl)oxolan-2-yl]methyl

acetate



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

Product Information

Description	2,4-Dithiouridine is a thioracil which contains two sulfur atoms.
Molecular Weight	276.33
Molecular Formula	C ₉ H ₁₂ N ₂ O ₄ S ₂
IUPAC Name	1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3,4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2,4-dithione
InChI	InChI=1S/C9H12N2O4S2/c12-3-4-6(13)7(14)8(15-4)11-2-1-5(16)10-9(11)17/h1-2,4,6-8,12-14H,3H2,(H,10,16,17)/t4-,6-,7-,8-/m1/s1
InChI Key	OKYRYFXQZRFDQL-XVFCMESISA-N
Canonical SMILES	C1=CN(C(=S)NC1=S)C2C(C(C(O2)CO)O)O
Isomeric SMILES	C1=CN(C(=S)NC1=S)[C@H]2[C@@H]([C@@H]([C@H](O2)CO)O)O
Form	Solid
Purity	≥98%
Applications	2,4-Dithiouridine can be used as a biomarker.
Storage	Store at -20°C.



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