

Product Information

6-Azauridine triphosphate

Cat. No.: X25-06-LY854

Size: 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 6198-30-7

Compound CID: 165419

Synonym: 6198-30-7;

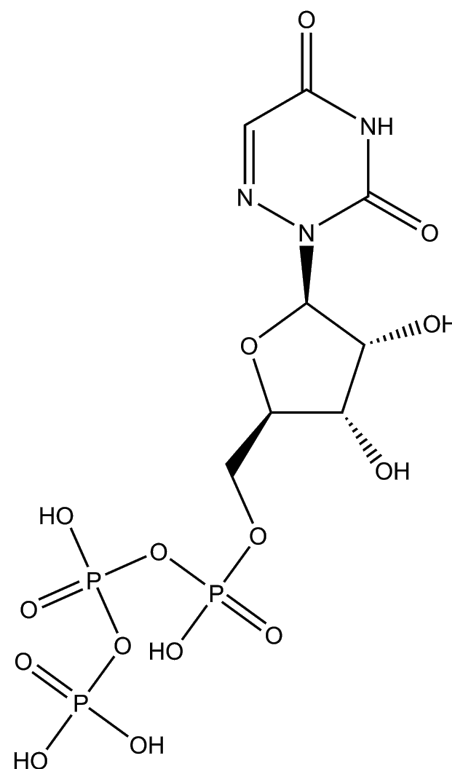
[[[(2*R*,3*S*,4*R*)-5-(3,5-Dioxo-1,2,4-triazin-2-yl)-3,4-dihydroxyoxolan-2-yl]methoxy-hydroxyphosphoryl] phosphono hydrogen phosphate; 6-Azautp; 6-Azauridine 5'-triphosphate; 1,2,4-Triazine-3,5(2*H*,4*H*)-dione,

2-(5-*O*-(Hydroxy((hydroxy(phosphonooxy)phosphinyl)oxy)phosphinyl)-beta-D-ribofuranosyl)-;

5-Hydroxy-2-[5-*O*

-(hydroxy{[hydroxy(phosphonooxy)phosphoryl]oxy}phosphoryl)pentofuranosyl]-1,2,4-triazin-3(2*H*)-one

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



Product Information

Description	6-Azauridine triphosphate is a nucleotide analogue of uridine triphosphate, featuring a nitrogen atom at the 6-position of the uracil ring.
Molecular Weight	485.13
Molecular Formula	C ₈ H ₁₄ N ₃ O ₁₅ P ₃
IUPAC Name	[[[(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i>)-5-(3,5-Dioxo-1,2,4-triazin-2-yl)-3,4-dihydroxyoxolan-2-yl]methoxy-hydroxyphosphoryl] phosphono hydrogen phosphate
InChI	InChI=1S/C8H14N3O15P3/c12-4-1-9-11(8(15)10-4)7-6(14)5(13)3(24-7)2-23-28(19,20)26-29(21,22)25-27(16,17)18/h1,3,5-7,13-14H,2H2,(H,19,20)(H,21,22)(H,10,12,15)(H2,16,17,18)/t3-,5-,6-,7?/m1/s1
InChI Key	NCKFQXVRKKNRBB-HJZCUYRDSA-N
SMILES string	C1=NN(C(=O)NC1=O)C2[C@@H]([C@@H]([C@H](O2)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)O)O
Form	Solid
Purity	≥95.0%
Quality Level	Research grade



Applications

6-Azauridine triphosphate can be used as a substrate in RNA synthesis and translation research to explore its effects on specific acylating enzymes.

Storage

Store at -20°C.
