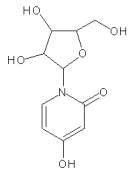

Formula: C10H13NO6

MW: 243.22

CAS: 23205-42-7

TNP NUMBER: TNP00478

MDL NUMBER: MFCD04221050

IUPAC: 1-[3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-4-hydroxyhydropyridin-2-one

Smiles: n1(C2C(C(O)C(O2)CO)O)c(cc(cc1)O)=O

A synthetic analogue of nucleoside uridine lacking a ring nitrogen in the 3-position. 3-deazauridine inhibits cytidine synthase, thereby reducing intracellular levels of cytidine and deoxycytidine and disrupting DNA and RNA synthesis. This agent may trigg

THERAPEUTIC CATEGORY: antineoplastic agent

ACCEPTORS: 6

DONORS: 4

ROTATION BONDS: 6

N+O: 7

Chiral Centers: 4

LogP: -2.92

LogS: -1.88

LIPINSKI: 4

Synonyms:
4-HYDROXY-1-BETA-D-RIBOFURANOSYL-2[1H]PYRIDONE;3-DEAZAURIDINE;3-deazuridine;4-hydroxy-1-beta-d-ribofuranosyl-2(1h)-pyridinon;4-hydroxy-1-beta-d-ribofuranosyl-2(1h)-pyridinone;4-hydroxy-1-beta-d-ribofuranosyl-2(1h)-pyridon;3-DEAZAURIDINE CRYSTALLINE;4-Hydroxy-1-B-D-ribofuranosyl-2(1H)pyridone

CAS:23205-42-7

MF:C10H13NO6

MW:243.21

EINECS:245-488-8

Product Categories: 3-DEAZAURIDINE

Chemical Properties: mp 233-235C

Safety Information: RTECS UV1148000 3-DEAZAURIDINE

Usage And Synthesis: 3-DEAZAURIDINE