



Formula: C₁₁H₁₃BrN₂O₅

MW: 333.14

CAS: 69304-47-8

MDL NUMBER: MFCD04221124

IUPAC: 5-((1E)-2-bromovinyl)-1-[4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-1,3-dihydropyrimidine-2,4-dione

Smiles: n1c([nH]c(c(c1)/C=CBr)=O)=O)C1OC(CO)C(C1)O

An exceptionally potent inhibitor of Herpes simplex virus type 1.

THERAPEUTIC CATEGORY: Antiviral (Herpes)

REFERENCE: Maudgal PC, et al. Comparative evaluation of BVDU ((E)-5-(2-bromovinyl)-2'-deoxyuridine) in the treatment of experimental herpes simplex keratitis in rabbits. Bull Soc Belge Ophtalmol. 1979;186:109-18 De Clercq E, et al. Synthesis and antiviral activity of (E)-5-(2-bromovinyl)uracil and (E)-5-(2-bromovinyl)uridine. J Med Chem. 1986 Feb;29(2):213-7

ACCEPTORS: 5

DONORS: 3

ROTATION BONDS: 5

N+O: 7

Chiral Centers: 3

LogP: -0.51

LogS: -2.84

LIPINSKI: 4

Synonyms:

BVDU;(E)-5-(2-BROMOVINYL)-2'-DEOXY-URIDINE;BRIVUDINE;5-(E)-(2-Bromovinyl)-2-deoxy uridine;5-(2-Bromovinyl)-deoxy-uridine;5-[(E)-2-Bromoethenyl]-1-[(2R,4S,5R)-4-hydroxy-5-(hydr oxymethyl)oxolan-2-yl]pyrimidine-2,4-dione;Bromovinyldeoxyuridine;BrVDU

CAS:69304-47-8

MF:C11H13BrN2O5

MW:333.14

EINECS:

Product Categories: Brivudine

Chemical Properties: mp 165C storage temp. 2-8C

Safety Information: WGK Germany 3 RTECS YU7355000 Brivudine

Usage And Synthesis: Brivudine

