



Formula: C₁₂H₁₂Cl₂N₂O₄

MW: 319.14

MDL NUMBER: MFCD04108755

IUPAC: 5-(5,6-dichlorobenzimidazolyl)-2-(hydroxymethyl)oxolane-3,4-diol

Smiles: n1(C2C(C(O)C(O2)CO)O)c2c(cc(c(c2)Cl)Cl)nc1

REFERENCE: Dreyer C, Hausen P. Inhibition of mammalian RNA polymerase by 5,6-dichlororibofuranosylbenzimidazole (DRB) and DRB triphosphate. *Nucleic Acids Res.* 1978 Sep;5(9):3325-35 Sehgal PB, et al. The inhibition by DRB (5,6-dichloro-1-β-D-ribofuranosylbenzimidazole) of hnRNA and mRNA production in HeLa cells. *Cell.* 1976 Nov;9(3):473-80 Zandomeni R, Weinmann R. Inhibitory effect of 5,6-dichloro-1-β-D-ribofuranosylbenzimidazole on a protein kinase. *J Biol Chem.* 1984 Dec 10;259(23):14804-11

SOURCE: nucleoside analog

ACCEPTORS: 4

DONORS: 3

ROTATION BONDS: 5

N+O: 6

Chiral Centers: 4

LogP: 0.59

LogS: -3.28

LIPINSKI: 4

Synonyms: 5,6-Dichloro-1-b-D-ribofuranosylbenzimidazole 3',5'-cyclic..

CAS:

MF:

MW:0

EINECS:

Product Categories: 5,6-Dichloro-1-b-D-ribofuranosylbenzimidazole 3',5'-cyclic..
5,6-Dichloro-1-b-D-ribofuranosylbenzimidazole 3',5'-cyclic..

Usage And Synthesis: 5,6-Dichloro-1-b-D-ribofuranosylbenzimidazole 3',5'-cyclic..

