



Formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>2</sub>

MW: 235.25

CAS: 4097-22-7

TNP NUMBER: TNP00362

MDL NUMBER: MFCD01113311

IUPAC: [5-(6-aminopurin-9-yl)oxolan-2-yl]methan-1-ol

Smiles: n1(c2c(c(N)ncn2)nc1)C1OC(CO)CC1

Purine nucleoside analog

THERAPEUTIC CATEGORY: Antiviral

REFERENCE: Merck 13, 3128 Robins MJ, et al. Purine nucleosides. XII. The preparation of 2',3'-dideoxyadenosine, 2',5'-dideoxyadenosine, and 2',3',5'-trideoxyadenosine from 2'-deoxyadenosine. *Biochemistry*. 1966 Jan;5(1):224-31 Carson DA, et al. Biochemical genetic analysis of 2',3'-dideoxyadenosine metabolism in human T lymphocytes. *Biochem Biophys Res Commun*. 1988 Mar 15;151(2):788-93 Doering AM, et al. Polymer synthesis in killed bacteria: lethality of 2',3'-dideoxyadenosine. *J Bacteriol*. 1966 Sep;92(3):565-74

SOURCE: Purine nucleoside analog

ACCEPTORS: 2

DONORS: 3

ROTATION BONDS: 3

N+O: 7

Chiral Centers: 2

LogP: -0.78

LogS: -2.68

LIPINSKI: 4

