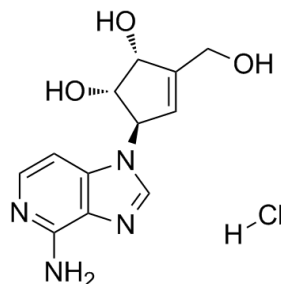


Product Name	: 3-Deazaneplanocin A hydrochloride
Synonyms	: DZNep hydrochloride; NSC 617989 hydrochloride; 3-Deazaneplanocin hydrochloride
Cat No.	: M10782
CAS Number	: 120964-45-6
Molecular Formula	: C ₁₂ H ₁₅ ClN ₄ O ₃
Formula Weight	: 298.73
Chemical Name	: 3-Cyclopentene-1,2-diol, 5-(4-amino-1H-imidazo[4,5-c]pyridin-1-yl)-3-(hydroxymethyl)-, hydrochloride (1:1), (1S,2R,5R)-
Description	: A highly potent and competitive S-adenosylhomocysteine hydrolase inhibitor with K _i of 0.05 nM, also inhibits histone methyltransferase EZH2; more potent than 3-deazaaristeromycin; induces EZH2 protein depletion, leads to cell death in several cancers and tumors; anticancer or antiviral agent.
Pathway	: Chromatin/Epigenetic
Target	: HMTase
Receptor	: HMTase
Solubility	: 10 mM in DMSO
SMILES	: <chem>O[C@@H]1[C@H](O)C(CO)=C[C@H]1N2C=NC3=C2C=CN=C3N.[H]Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Tseng CK, et al. J Med Chem. 1989 Jul;32(7):1442-6. | 2. Glazer RI, et al. Biochem Biophys Res Commun. 1986 Mar 13;135(2):688-94. | 3. Fiskus W, et al. Blood. 2009 Sep 24;114(13):2733-43. | 4. Puppe J, et al. Breast Cancer Res. 2009;11(4):R63.