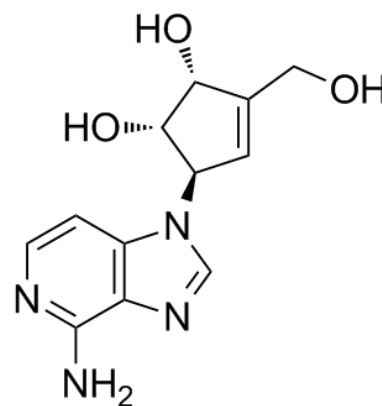

Product Name	: 3-Deazaneplanocin A
Cat. No.	: PC-42587
CAS No.	: 102052-95-9
Molecular Formula	: C ₁₂ H ₁₄ N ₄ O ₃
Molecular Weight	: 262.2646
Target	: Histone Methyltransferase (HMTase)
Solubility	: 10 mM in DMSO



Biological Activity

3-Deazaneplanocin A (DZNep) is a highly potent and competitive **S-adenosylhomocysteine hydrolase** inhibitor with K_i of 0.05 nM, also inhibits histone methyltransferase **EZH2**.

3-Deazaneplanocin A (DZNep) is more potent than 3-deazaaristeromycin.

3-Deazaneplanocin A (DZNep) induces EZH2 protein depletion, leads to cell death in several cancers and tumors; anticancer or antiviral agent.

References

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Puppe J, et al. *Breast Cancer Res.* 2009;11(4):R63.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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