

3-Deazaneplanocin

Cat. No. CEI-0477

Lot. No. (See product label)

Introduction

Description A lysine methyltransferase EZH2 (KMT63) inhibitor. DZNep is a selective inhibitor of trimethylation of lysine 27 on histone H3 (H3K27me3) and lysine 20 on histone H4 (H4K20me3). DZNep treatment of cultured human AML cells induces increased expression of the cell-cycle regulators p21, p27, and FBXO32, leading to cell cycle arrest and apoptosis.

Synonyms DZNep; NSC 617989

Product Information

Appearance White solid

CAS No. 102052-95-9

Molecular Formula C₁₂H₂₄N₄O₃

Chemical Name 5R-(4-amino-1H-imidazo[4,5-c]pyridin-1-yl)-3-(hydroxymethyl)-3-cyclopentene-1S,2R-diol

Molecular Weight 1202.6

Purity >99%

Targets EZH2

Solubility DMSO and EtOH

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack