

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