

DC_517

Catalog No: tcsc4587



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

500017-70-9

Formula:

$C_{33}H_{35}N_3O_2$

Pathway:

Epigenetics

Target:

DNA Methyltransferase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

505.65

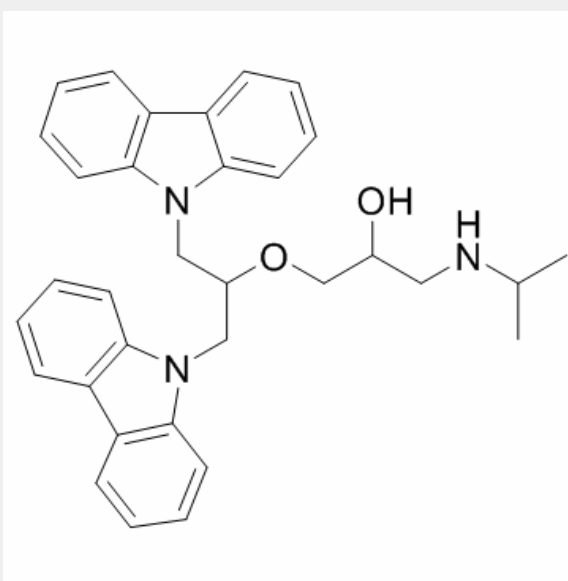
Product Description

DC_517 is a DNA methyltransferase 1 (**DNMT1**) inhibitor, with an **IC₅₀** and a **K_d** of 1.7 μM and 0.91 μM, respectively.

IC50 & Target: IC50: 1.7 μM (DNMT1)^[1]

K_d: 0.91 μM (DNMT1)^[1]

In Vitro: DC_517 is a DNA methyltransferase 1 (DNMT1) inhibitor, with an IC₅₀ and a K_d of 1.7 μM and 0.91 μM, respectively. DC_517 (1.25, 2.5, 5, and 10 μM) potently inhibits the proliferation of HCT116 (human colon cancer) and Capan-1 (human pancreatic adenocarcinoma cells) after treatment for 24, 48, and 72 h. DC_517 (0, 0.75, 1.5, and 3 μM) also dose-dependently induces apoptotic cell death in HCT116 cells^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!