

DC-05

Catalog No: tcsc4113



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

890643-16-0

Formula:

$C_{25}H_{25}N_3O$

Pathway:

Epigenetics

Target:

DNA Methyltransferase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

383.49

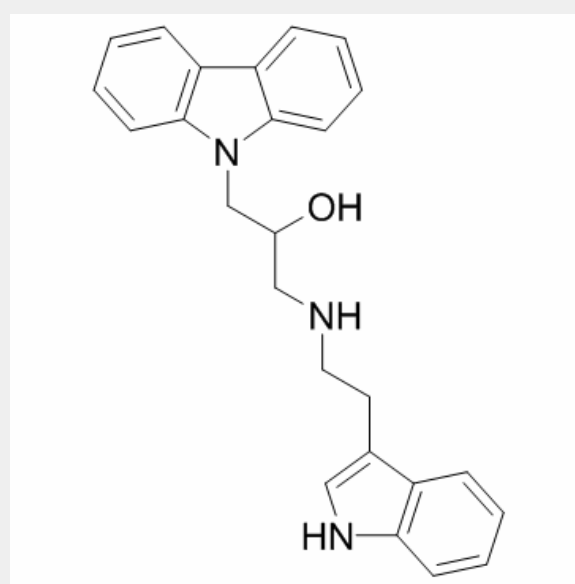
Product Description

DC-05 is a DNA methyltransferase 1 (**DNMT1**) inhibitor, with an **IC₅₀** and a **K_d** of 10.3 μM and 1.09 μM, respectively.

IC50 & Target: IC50: 10.3 μM (DNMT1)^[1]

K_d: 1.09 μM (DNMT1)^[1]

In Vitro: DC-05 is a DNA methyltransferase 1 (DNMT1) inhibitor, with an IC₅₀ and a K_d of 10.3 μM and 1.09 μM, respectively. DC-05 shows less potent activities against DNMT3A, DNMT3B, G9a, SUV39H1, MLL1, SET7/9, and PRMT1 (IC₅₀: >200, >200, >150, >150, >150, >150, 37.1 μM). DC-05 (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^[1].



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