

EI1

Catalog No: tcsc1654



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1418308-27-6

Formula:

$C_{23}H_{26}N_4O_2$

Pathway:

Epigenetics;Epigenetics

Target:

Histone Methyltransferase;Epigenetic Reader Domain

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

KB-145943;Ezh2 inhibitor

Observed Molecular Weight:

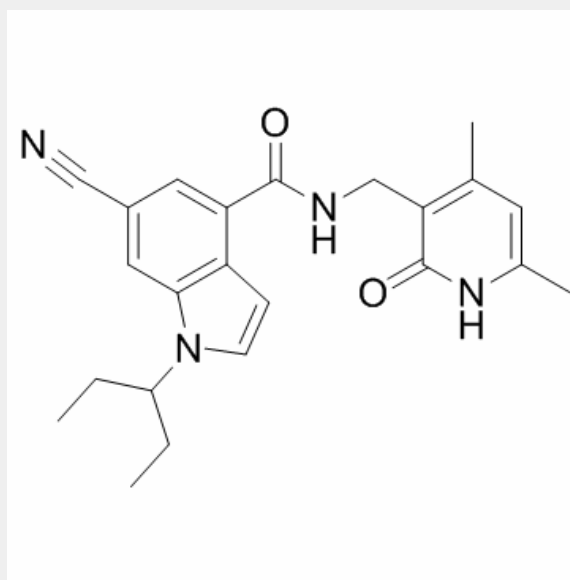
390.48

Product Description

EI1 (KB-145943) is a potent and selective **EZH2** inhibitor with **IC₅₀** of 15 nM and 13 nM for EZH2 (WT) and EZH2 (Y641F), respectively.

IC50 & Target: IC50: 15 nM (EZH2 wild type), 13 nM (EZH2 Y641F mutant type)

In Vitro: In DLBCL cells, EI1 (KB-145943) inhibits cellular H3K27 methylation and activates Ezh2 target gene p16 expression. In mouse embryonic fibroblasts, EI1 (KB-145943) also inhibit H3K27me3 and cell proliferation. In addition, EI1 (KB-145943) selectively inhibits the growth of DLBCL cells carrying Ezh2 mutation, and causes cell cycle arrest and apoptosis^[1].



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