

BIX-01294

Catalog No: tcsc0894



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

935693-62-2

Formula:

$C_{28}H_{38}N_6O_2$

Pathway:

Epigenetics;Autophagy

Target:

Histone Methyltransferase;Autophagy

Purity / Grade:

>98%

Solubility:

H₂O : 14.29 mg/mL (29.13 mM; Need ultrasonic)

Observed Molecular Weight:

490.64

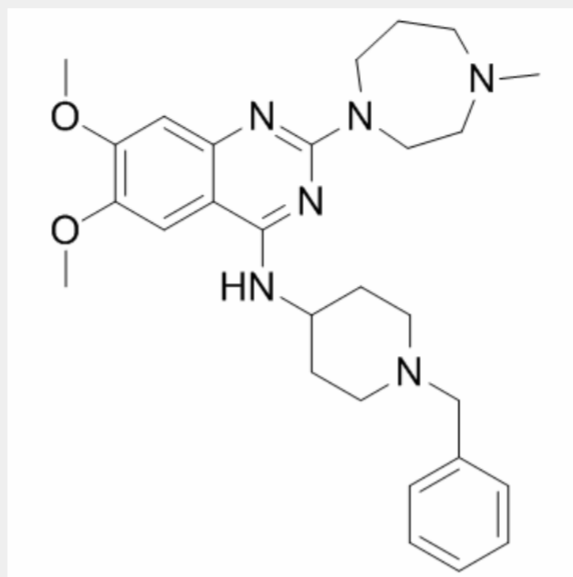
Product Description

BIX-01294 is an inhibitor of **G9a Histone Methyltransferase** with **IC₅₀** of 1.9 μM.

IC₅₀ & Target: IC₅₀: 1.9 μM (G9a Histone Methyltransferase)

In Vitro:

BIX-01294 (4.1 μM) treatment of G9anull ES cells results in a further reduction in H3K9me2 levels. BIX-01294 reduces H3K9me2 at several G9a target genes^[1]. BIX-01294 (5 μM) reduces levels of global H3K9 methylation in pronuclear- and 2-cell-stage embryos. Embryos transiently exposed to BIX-01294 have a reduced ability to establish pregnancy^[2]. BIX-01294 (1 $\mu\text{g/mL}$) causes reduction in the BrdU incorporation of fetal PSMCs. BIX-01294 treatment decreases the PSMCs migration induced by PDGF^[3].



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