

# 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

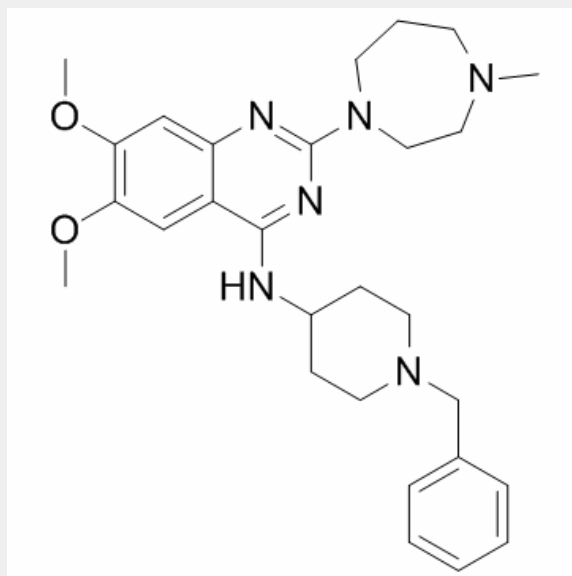
## Product Description

BIX-01294 is an inhibitor of **G9a Histone Methyltransferase** with **IC<sub>50</sub>** of 1.9 μM.

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

***In Vitro:***

BIX-01294 (4.1  $\mu$ M) treatment of G9anull ES cells results in a further reduction in H3K9me2 levels. BIX-01294 reduces H3K9me2 at several G9a target genes<sup>[1]</sup>. BIX-01294 (5  $\mu$ M) 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<sup>[2]</sup>. BIX-01294 (1  $\mu$ g/mL) causes reduction in the BrdU incorporation of fetal PSMCs. BIX-01294 treatment decreases the PSMCs migration induced by PDGF<sup>[3]</sup>.



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