



Product Information

HMT inhibitor BIX 01294, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ498

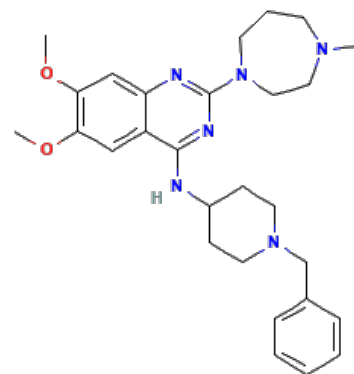
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 935693-62-2

Compound CID: 25150857

Synonym: 935693-62-2; BIX01294; Histone methyltransferase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	BIX 01294, soluble in DMSO, water and ethanol, inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression.
Molecular Weight	600.02
Molecular Formula	C ₂₈ H ₃₈ N ₆ O ₂ ·3HCl
IUPAC Name	<i>N</i> -(1-benzylpiperidin-4-yl)-6,7-dimethoxy-2-(4-methyl-1,4-diazepan-1-yl)quinazolin-4-amine
InChI	InChI=1S/C28H38N6O2/c1-32-12-7-13-34(17-16-32)28-30-24-19-26(36-3)25(35-2)18-23(24)27(31-28)29-22-10-14-33(15-11-22)20-21-8-5-4-6-9-21/h4-6,8-9,18-19,22H,7,10-17,20H2,1-3H3,(H,29,30,31)
InChI Key	OSXFATOLZGZLSK-UHFFFAOYSA-N
Canonical SMILES	CN1CCCN(CC1)C2=NC3=CC(=C(C=C3C(=N2)NC4CCN(CC4)CC5=CC=CC=C5)OC)OC
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 95 mg/mL (158.32 mM); Water: 95 mg/mL (158.32 mM); Ethanol: 8 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	BIX 01294 can be used to inhibit G9a histone methyltransferase, which is involved in epigenetic regulation.
Storage	Store at -20°C.