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## Product Datasheet

### **BIX-01294, CAS [[935693-62-2]] FBM-10-1335**

Article Name	BIX-01294, CAS [[935693-62-2]]
Biozol Catalog Number	FBM-10-1335
Supplier Catalog Number	10-1335
Alternative Catalog Number	FBM-10-1335-5MG,FBM-10-1335-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Histone Methyl transferase inhibitor+D257...
Molecular Weight	600.02
Purity	>98% by HPLC
Form	Off-white solid
CAS Number	[935693-62-2]
Formula	C28H38N6O2
Application Notes	BIX-01294 is a selective inhibitor of G9a histone methyltransferase (G9aHMTase, IC50 = 1.7 $\mu$ M) as well as GLP HMTase (IC50 = 38 $\mu$ M) leading to a decrease in H3K9me2(histone H3 lysine 9 methylation) in vitro. <sup>1</sup> BIX-01294 facilitates the reactivation of pluripotency genes and induces passive demethylation, thus promoting reprogramming. BIX-01294, in combination with BAY K8644 (a calcium channel agonist), was found to improve reprogramming efficiencies of Oct4-Klf4-(OK)-infected neural progenitor cells. <sup>3</sup>