BIX-01294

Catalog Number P018-5MG Catalog Number P018-25MG

FEATURES

- Inhibtor of G9a and GLP HMTases
- Cell permeable
- Selectively impairs generation of H3K9me2

INTRODUCTION

BIX-01294



FORM:	Yellow solid
MOLECULAR WEIGHT:	600.02 (anhydrous)
STORAGE:	Room temperature
FORMULA:	$C_{28}H_{38}N_6O_2 \cdot 3HCI \cdot xH2O$
CAS NUMBER:	935693-62-2
OTHER NAMES:	2-(Hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-6,7-dimethoxy-N-[1-(phenylmethyl) -4-piperidinyl]-4-quinazolinamine trihydrochloride hydrate
USES:	Soluble to 100 mM in water or DMSO.

REFERENCES:

Tachibana, M., et al. G9a histone methyltransferase plays a dominant role in euchromatic histone H3 lysine 9 methylation and is essential for early embryogenesis. Genes Dev. 16 1779-1791 (2002).

Wagschal, A., et al. G9a histone methyltransferase contributes to imprinting in the mouse placenta. Mol. Cell. Biol. 28:3, 1104-1113 (2008).

Thomas, L.R., et al. Functional analysis of histone methyltransferase G9a in B and T lymphocytes. J. Immunol. 181, 485-493 (2008)

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