Methyltransferase Inhibitors I



BIX-01294

Selective inhibitor of G9a histone methyltransferase (G9aHMTase; IC_{50} = 1.7 μ M) as well as GLP HMTase (IC_{50} = 38 μ M) leading to a decrease in H3K9me2(histone H3 lysine 9 methylation) *in vitro*.¹

Product No: 10-1335 5 mg/ 25 mg/

UNC1999

A potent inhibitor of EZH1 and EZH2, H3K27 methyltransferases.² UNC1999 is orally available in mice allowing investigation of EZH1 and EZH2 function *in vivo*.

<u>Product No: 10-4542</u> <u>5 mg/ 25 mg/</u>

Chaetocin

Antimicrobial fungal metabolite. Selective inhibitor of lysine specific histone methyltransferase.³ Antimyeloma activity which has been linked to induction of oxidative stress and subsequent apoptosis.⁴

Product No: 10-2404 200 μg/ 1 mg/_

Sinefungin

Potent competitive methyltransferase inhibitor (protein, DNA and RNA methyltransferases). 5,6 IC $_{50}$ <1.0 and 2.5 $_{\mu}$ M for PRMT1 and SET7/9 respectively.

Product No: 10-2454 1 mg/ UNC0379

Selective inhibitor of SETD8 (IC $_{50}$ = 7.3 μ M). Selective against 15 other methyltransferases.

Product No: 10-4870 5 mg/ 25 mg/ (R)-PFI-2

Potent (IC₅₀ = 2nM) and selective inhibitor of lysine methyltransferase SETD7.8

Product No: 10-4033 5 mg/ 25 mg/

GSK126

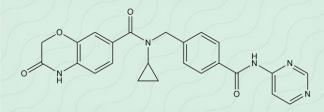
Potent (Ki = 0.5 - 3nM) and selective inhibitor of EZH2 methyltransferase. >150-fold selectivity over EZH1 and >1000-fold selectivity over 20 other methyltransferases. 9

Product No: 10-3394 5 mg/ 25 mg/_ UNC6934

Inhibitor of the lysine methyltransferase nuclear receptor-binding SET domaincontaining 2 (NSD2). Selective over 33 other methyltransferases.¹⁰

Product No: 10-4119 5 mg/ 25 mg/

(R)-PFI-2



UNC6934

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