

Demethylase Inhibitors

GSK J1

Non-cell permeable JMJD3 H3K27 Demethylase inhibitor. IC_{50} = 60 nM for purified human JMJD3.⁴

Product No: 10-1393 5 mg/ 25 mg/

GSK J4

Cell permeable JMJD3 H3K27 Demethylase inhibitor. Ethyl ester derivative of GSK J1.⁴

Product No: 10-1394 5 mg/ 25 mg/

Daminozide

Inhibits the human histone demethylase KDM2/7 subfamily. ≥ 60 -fold selective for KDM2/7 family members over other demethylases and 2-oxoglutarate oxygenases.⁵

Product No: 10-1403 50 mg/ 250 mg/

IOX1

Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases.¹
Cell permeable

Product No: 10-1426 5 mg/ 25 mg/

SP2509

Potent and selective inhibitor of LSD1 (KDM1A); IC_{50} = 13nM.⁶

Product No: 10-4019 5 mg/ 25 mg/

ML324

Inhibits JMJD2 demethylase (IC_{50} < 1 μ M). Represses the expression of viral (HCMV and HSV-1) immediate early genes (IC_{50} ~ 10 μ M)⁷ and abrogates infection.

Product No: 10-1455 5 mg/ 25 mg/

AS-8351

AS-8351 is an inhibitor of the histone demethylase KDM5B.⁸

Product No: 10-1597 5 mg/ 25 mg/

PBIT

PBIT is a potent and selective inhibitor of JARID1 (IC_{50} = 13, 4.9 and 6 μ M for JARID1B, 1A and 1C respectively). It is selective for JARID1 over UTX and JMJD3.⁹

Product No: 10-1595 5 mg/ 25 mg/

GSK2879552

Potent and selective inhibitor of LSD1 (KDM1A); K_i = 1.7 μ M.¹⁰

Product No: 10-4020 5 mg/ 25 mg/

JIB-04

pan-Jumonji histone demethylase inhibitor.¹¹

Product No: 10-1618 5 mg/ 25 mg/

iJMJD6

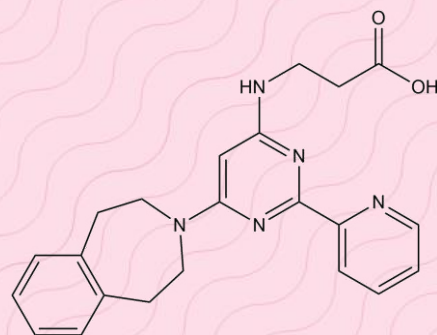
Selective inhibitor of arginine demethylase JMJD6 with selectivity over other JmjC domain-containing proteins.¹²

Product No: 10-4039 5 mg/ 25 mg/

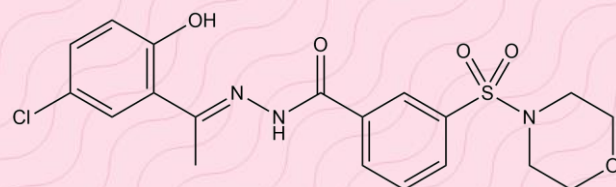
CPI-455

Potent and selective inhibitor of the lysine demethylase KDM5.¹³

Product No: 10-4035 5 mg/ 25 mg/



GSK J1



SP2509

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