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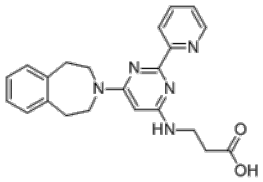
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	GSK-J1
Cat. No.	:	PC-38508
CAS No.	:	1373422-53-7
Molecular Formula	:	$C_{22}H_{23}N_5O_2$
Molecular Weight	:	389.459
Target	:	Histone Demethylase
Solubility	:	10 mM in DMSO



Biological Activity

GSK-J1 is a potent, selective inhibitor of the H3K27 histone demethylases JMJD3 (**KDM6B**) and UTX (**KDM6A**) with IC50 of 28 nM and 53 nM, respectively.
GSK-J1 also inhibits KDM5B, KDM5C and KDM5A (IC50 = 170, 550 and 6,800 nM respectively), exhibits no activity against a panel of other histone demethylases (IC50 >10 uM).

References

Kruidenier et al. ***Nature*** 488 404 PMID: 22842901.

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