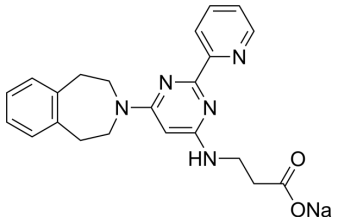
GSK-J1 sodium

Cat. No.:	HY-15648G
CAS No.:	1797832-71-3
Molecular Formula:	$C_{22}H_{22}N_5NaO_2$
Molecular Weight:	411.43
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GSK-J1 sodium is a potent inhibitor of H3K27me3/me2-demethylases JMJD3/KDM6B and UTX/KDM6A, with IC_{50} value of 60 nM towards KDM6B[1][2][3].
IC_{50} & Target	IC50: 60 nM (KDM6B)[2]

CUSTOMER VALIDATION

- Acta Pharmacol Sin. 2021 Apr 13.
- Oncogene. 2021 Apr;40(15):2711-2724.
- Front Mol Neurosci. 2017 Mar 13;10:51.
- J Chromatogr A. 2020 Feb 22;1613:460625.
- SSRN. 2021 Dec.

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REFERENCES

[1]. Kruidenier L, et al. A selective jumonji H3K27 demethylase inhibitor modulates the proinflammatory macrophage response. Nature. 2012 Aug 16;488(7411):404-8.

[2]. Heinemann B, et al. Inhibition of demethylases by GSK-J1/J4. Nature. 2014 Oct 2;514(7520):E1-2.

[3]. Horton JR, et al. Characterization of a Linked Jumonji Domain of the KDM5/JARID1 Family of Histone H3 Lysine 4 Demethylases. J Biol Chem. 2016 Feb 5;291(6):2631-46.

Caution: Product has not been fully validated for medical applications. For research use only.

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