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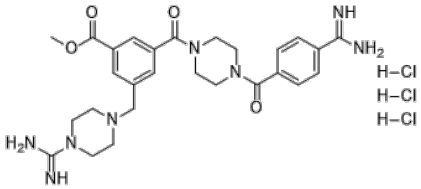
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	CBB1007 trihydrochloride
Cat. No.	:	PC-24001
CAS No.	:	2070015-03-9
Molecular Formula	:	$C_{27}H_{37}Cl_3N_8O_4$
Molecular Weight	:	644.00
Target	:	Histone Demethylase
Solubility	:	10 mM in DMSO



Biological Activity

CBB1007 trihydrochloride is a cell-permeable, potent, reversible and substrate competitive (**LSD1**, KDM1A) selective inhibitor with IC50 of 5.27 uM.
CBB1007 efficiently blocks LSD1-mediated demethylation of H3K4Me2 and H3K4Me (IC50 ≤ 5 μM) with no effect on H3K4Me3 and H3K9Me2, and LSD2 and JARID1A activities.
CBB1007 induces activation of epigenetically suppressed CHRM4/M4-ArchR and SCN3A genes in F9 cells (IC50 ≤ 3.74 μM).
CBB1007 preferentially arrests the growth of pluripotent tumors with minimal effect on non-pluripotent cancer or normal somatic cell.

References

Jing Wang, et al. ***Cancer Res.*** 2011 Dec 1;71(23):7238-49.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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