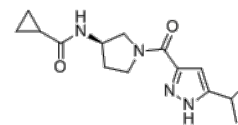


Product Name : KDM5A-IN-50
Cat. No. : PC-62835
CAS No. : 1905481-36-8
Molecular Formula : C₁₅H₂₂N₄O₂
Molecular Weight : 290.367
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

KDM5A-IN-50 is a potent, selective, and orally bioavailable pan **KDM5** enzyme inhibitor with biochemical IC₅₀ of 45/56/55 nM for KDM5A/KDM5B/KDM5C respectively.

KDM5A-IN-50 significantly less potent against other KDM enzymes (1A, 2B, 3B, 4C, 6A, 7B).

KDM5A-IN-50 inhibits H3K4Me₃ level in PC9 cells with EC₅₀ of 960 nM; has promising in vivo PK profiles.

References

Liang J, et al. *Bioorg Med Chem Lett*. 2017 Jul 1;27(13):2974-2981.

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

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