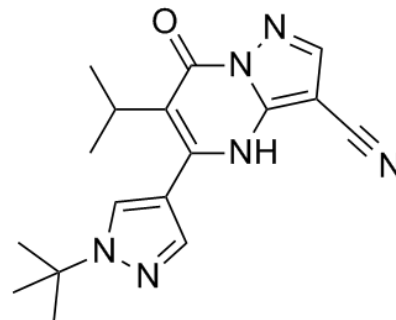


Product Name : KDM5-IN-48
Cat. No. : PC-42149
CAS No. : 1628210-26-3
Molecular Formula : C₁₇H₂₀N₆O
Molecular Weight : 324.3803
Target : Histone Demethylase
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

KDM5-IN-48 is a potent, selective and orally bioavailable **KDM5** inhibitor with biochemical IC₅₀ of 15.1, 4.7 and 65.5 nM for KDM5A, KDM5B and KDM5C, respectively.

KDM5-IN-48 displays significantly less potent against other KDM enzymes (KDM4C IC₅₀=1.9 μM).

KDM5-IN-48 increases H3K4Me3 level in PC9 cells with EC₅₀ of 0.34 μM.

KDM5-IN-48 possesses suitable physicochemical properties and displays excellent PK profile in mice.

References

Liang J, et al. *Bioorg Med Chem Lett*. 2016 Aug 15;26(16):4036-41.

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

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