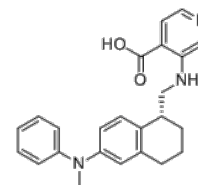


Product Name : QC6352
Cat. No. : PC-61739
CAS No. : 1851373-36-8
Molecular Formula : C₂₄H₂₅N₃O₂
Molecular Weight : 387.483
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

QC-6352 is a potent and selective **KDM4** family inhibitor with IC₅₀ of 104, 56, 35, and 104 nM for KDM4A, KDM4B, KDM4C, and KDM4D, respectively.

QC-6352 displays high selectivity over other KDM family members, with the exception of KDM5B (IC₅₀=750 nM).

QC-6352 shows a promising cellular potency (KYSE-150 EC₅₀=3.5 nM, H3K36 MOA=1.5 nM).

QC-6352 has excellent physical properties and drug-like characteristics, exhibits favorable in vivo efficacy in a breast cancer PDX model and reduces the tumor initiating cell populations which are associated with resistance to chemotherapy treatments.

References

Chen YK, et al. *ACS Med Chem Lett.* 2017 Jul 27;8(8):869-874.

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

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