

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 QC6352

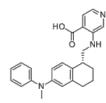
 Cat. No.
 :
 PC-61739

 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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