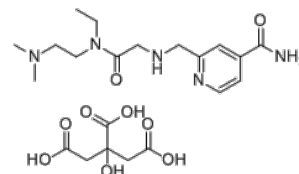


Product Name : KDOAM-25 citrate
Cat. No. : PC-21988
CAS No. : 2448475-08-7
Molecular Formula : C₂₁H₃₃N₅O₉
Molecular Weight : 499.52
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

KDOAM-25 citrate (KDM5 inhibitor KDOAM 25) is a potent, selective KDM5 sub-family (JARID1) inhibitor with biochemical IC₅₀ of 71/19/69/69 nM for KDM5A/B/C/D, respectively.

KDOAM-25 weakly inhibits KDM4C/KDM2B (IC₅₀=4.8/4.4 μM) and good selectivity over other demethylases.

KDOAM-25 most potently inhibits KDM5B (IC₅₀=50 μM) and increases H3K4me₃ levels in HeLa cells.

KDOAM-25 increases global H3K4 methylation, causes G1 cell-cycle arrest and impairs cell proliferation in multiple myeloma MM1S cells.

References

Tumber A, et al. Cell Chem Biol. 2017 Mar 16;24(3):371-380.

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

E-mail: tech@probechem.com