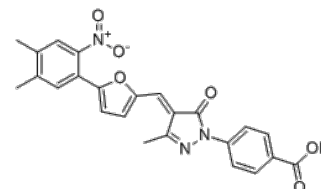


Product Name : C646
Cat. No. : PC-20778
CAS No. : 328968-36-1
Molecular Formula : C₂₄H₁₉N₃O₆
Molecular Weight : 445.42
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



CAS: 328968-36-1

Biological Activity

C646 is a selective, competitive histone acetyltransferase (HAT) p300 inhibitor with K_i of 400 nM, less potent for other acetyltransferases.

C646 blocks dynamic acetylation of H3K4me3 globally in mouse and fly cells, and locally across the promoter and start-site of inducible genes in the mouse, thereby disrupting RNA polymerase II association and the activation of genes.

C646 increases caspase-dependent apoptosis involving both extrinsic and intrinsic cell death pathways in androgen-dependent and castration-resistant prostate cancer cells.

C646 inhibits the growth of human melanoma and other tumor cells and promotes cellular senescence.

References

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

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