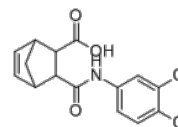


Product Name : CADD522
Cat. No. : PC-38159
CAS No. : 199735-88-1
Molecular Formula : C₁₅H₁₃Cl₂NO₃
Molecular Weight : 326.173
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CADD522 (CADD-522) is a small molecule that inhibits **RUNX2**-DNA binding (IC₅₀=10 nM) and decreases RUNX2 transcriptional activity.

CADD522 had no effect on the RUNX2 occupancy in MCF7-Empty cells, CADD522 significantly inhibited RUNX2 enrichment in the MCF7-RUNX2 cells.

CADD522 reduced RUNX2-mediated increases in glucose uptake and decreased the level of CBF-β and RUNX2 phosphorylation at the S451 residue.

The administration of CADD522 into MMTV-PyMT mice resulted in significant delay in tumor incidence and reduction in tumor burden.

References

Kim MS, et al. *Oncotarget*. 2017 Aug 10;8(41):70916-70940.

Kim MS, et al. *Oncotarget*. 2020 Oct 27;11(43):3863-3885.

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

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