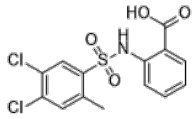
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	FOXA1/2 inhibitor compound T
Cat. No.	:	PC-25581
CAS No.	:	886119-85-3
Molecular Formula	:	$C_{14}H_{11}Cl_2NO_4S$
Molecular Weight	:	360.21
Target	:	Other Targets
Solubility	:	10 mM in DMSO



CAS: 886119-85-3

Biological Activity

FOXA1/2 inhibitor compound T is a small molecule inhibitor of collaboration between **FOXA1** and **FOXA2**, disrupts the FOXA1/2 function, binds to forkhead domain of FOXA1 of SPR KD of 100 uM.
Compound T also reduced the luciferase reporter assay driven by the homolog FOXA3.
Compound T also disabled the FOXA1 and FOXA2 forkhead domain from binding to an immobilized double-strand DNA oligonucleotide by biolayer interferometry (BLI).
Compound T disrupted the binding of all three nucleotide sequences (i.e., C, PAL, and 2C) to either the forkhead domains of FOXA1, FOXA2, and FOXA1/FOXA2.
Compound T reduced FOXA1 chromatin binding in LNCaP cells, reduced FOXA1 and FOXA2 chromatin occupancy in PC3 cells.
Compound T selectively suppressed the clonogenic growth of cell lines expressing FOXA1 or FOXA1/2.

References

Formaggio N, et al. ***Cell Rep***. 2025 Sep 26;44(10):116324.

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

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