Biological Activity

IACS-010759 (IACS010759) is a small molecule inhibitor of mitochondrial oxidative phosphorylation (OXPHOS), targets complex I of the mitochondrial electron transport chain; decreases cell viability and increases apoptosis with EC50 values between 1 nM-50 nM across multiple lines; robustly inhibits proliferation and induces apoptosis in models of brain cancer and acute myeloid leukemia (AML) reliant on OXPHOS, reduces aspartate production that leads to impaired nucleotide biosynthesis; potently inhibits tumor growth of brain cancer and AML in vivo.

Blood Cancer
Phase 1 Clinical

References


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