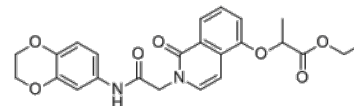


Product Name : SID7969543
Cat. No. : PC-72819
CAS No. : 868224-64-0
Molecular Formula : C₂₄H₂₄N₂O₇
Molecular Weight : 452.46
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

SID7969543 is a potent, selective and cell penetrant inhibitor of steroidogenic factor 1 (**SF-1/NR5A1**) with IC₅₀ of 760 nM, also selectively targets KMT2A-rearranged (KMT2A-r) leukemia cells.

SID7969543 limited the viability of 7 out of 11 KMT2A-r leukemia cell lines including 5 out of 7 lines derived from infants, without affecting KMT2A-wt leukemia cells, solid cancer lines, non-malignant cell lines, or peripheral blood mononuclear cells from healthy controls.

SID7969543 decreased KMT2A-r leukemia cell viability by inducing caspase-dependent apoptosis within hours of treatment and demonstrated synergy with established chemotherapeutics used in the treatment of high-risk leukemia.

References

Madoux F, et al. *Mol Pharmacol*. 2008 Jun;73(6):1776-84.

Karsa M, et al. *Front Oncol*. 2022 Jan 20;11:779859.

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

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