

Data Sheet

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Product Name : DB2313

Cat. No. : PC-62744

CAS No. : 2170606-74-1

Molecular Formula : C₄₂H₄₁FN₈O₂

Molecular Weight : 708.842

Target : Other Targets

Solubility : 10 mM in DMSO

Biological Activity

DB2313 is a small-molecule transcription factor **PU.1** inhibitor abrogating DNA binding by PU.1 with Kd of 29 nM. DB2313 decrease cell growth (IC50=7.1 uM) and the clonogenic capacity of AML cells and leads to increased apoptosis, while showing little effect on normal hematopoietic cells.

DB2313 decreases tumor burden and increases survival in murine and human AML transplantation models.

References

Antony-Debré I, et al. J Clin Invest. 2017 Oct 30. pii: 92504.

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

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