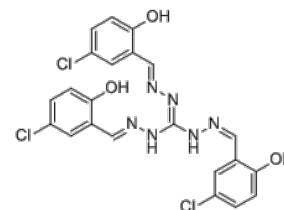


Product Name : CWI1-2
Cat. No. : PC-49558
CAS No. : 2408590-36-1
Molecular Formula : C₂₂H₁₇Cl₃N₆O₃
Molecular Weight : 519.77
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

CWI1-2 is a small molecule inhibitor of m6A reader **IGF2BP2**, shows promising anti-leukemia effects in vitro and in vivo. IGF2BP2 promotes AML development and self-renewal of leukemia stem/initiation cells by regulating expression of critical targets (e.g., MYC, GPT2, and SLC1A5) in the glutamine metabolism pathways in an m6A-dependent manner. High expression of IGF2BP2 is observed in AML and associates with unfavorable prognosis.

References

Weng H, et al. *Cancer Cell*. 2022 Dec 12;40(12):1566-1582.e10.

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

E-mail: tech@probechem.com