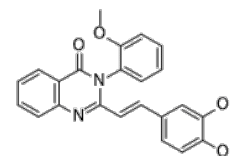


Product Name : ICCB280
Cat. No. : PC-27194
CAS No. : 2041072-41-5
Molecular Formula : C₂₃H₁₈N₂O₄
Molecular Weight : 386.41
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ICCB280 is a specific small molecule C/EBPalpha (C/EBPα) agonist, induces myeloid differentiation of leukemia cell lines by increasing expression of C/EBPα and C/EBPε, and decreasing expression of c-Myc.

ICCB280 suppresses HL-60 cell growth with IC₅₀ of 8.6 μM (48 hours).

ICCB280 (10 μM) induces upregulation of C/EBPα and C/EBPε, modulates C/EBPα target genes, but not C/EBPβ.

ICCB280 induces differentiation and apoptosis in primary blast cells from AML patients.

ICCB280 and G-CSF cooperatively induce granulocytic differentiation.

References

Sridhar R, et, al. *Molecules*. 2018 Aug 3;23(8):1938

Radomska HS, et, al. *J Biomol Screen*. 2015 Oct;20(9):1150-9.

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

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