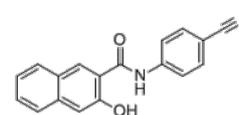


Product Name : XX-650-23
Cat. No. : PC-61254
CAS No. : 117739-40-9
Molecular Formula : C₁₈H₁₂N₂O₂
Molecular Weight : 288.306
Target : CREB/CBP
Solubility : 10 mM in DMSO



Biological Activity

XX-650-23 is a small molecule inhibitor of **CREB**, blocks **CREB/CBP interaction** (IC₅₀=3.2 μM) and disrupts CREB-driven gene expression.

XX-650-23 suppresses AML cell lines growth with IC₅₀ of 0.87-2.3 μM, specifically disrupts CREB-driven transcription, induces apoptosis and cell-cycle arrest.

XX-650-23 significantly increases survival of cell line- and patient-derived xenograft mice with no toxicity to normal hematopoietic cells or animals.

References

Mitton B, et al. *Leukemia*. 2016 Dec;30(12):2302-2311.

François S, et al. *J Virol*. 2016 Sep 12;90(19):8686-97.

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

E-mail: tech@probechem.com