

Product Name : XX-650-23

Synonyms : XX 650 23

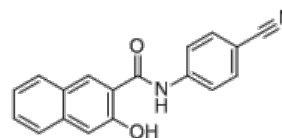
Cat No. : M10601

CAS Number : 117739-40-9

Molecular Formula : C₁₈H₁₂N₂O₂

Formula Weight : 288.31

Chemical Name : N-(4-cyanophenyl)-3-hydroxy-2-naphthamide



Description : XX-650-23 is a small molecule inhibitor of CREB, blocks CREB/CBP interaction (IC₅₀=3.2 μM) and disrupts CREB-driven gene expression; suppresses AML cell lines growth with IC₅₀ of 0.87-2.3 μM, specifically disrupts CREB-driven transcription, induces apoptosis and cell-cycle arrest; significantly increases survival of cell line- and patient-derived xenograft mice with no toxicity to normal hematopoietic cells or animals.

Pathway : Nuclear Receptor/Transcription Factor

Target : CREB/CBP

Receptor : CREB/CBP

Solubility : —

SMILES : O=C(NC1=CC=C(C(=N)C=C1)C2=C(O)C=C3C=CC=CC3=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mitton B, et al. Leukemia. 2016 Dec;30(12):2302-2311. | 2. Franois S, et al. J Virol. 2016 Sep 12;90(19):8686-97.