
C646

产品编号: D50799

CAS: 328968-36-1

分子式: C₂₄H₁₉N₃O₆

纯度: ≥98%

InChi: InChi=1S/C₂₄H₁₉N₃O₆/c1-13-10-20(21(27(31)32)11-14(13)2)22-9-8-18(33-22)12-19-15(3)25-26(23(19)28)17-6-4-16(5-7-17)24(29)30/h4-12H,1-3H3,(H,29,30)/b19-12-

InChi Key: HEKJYZZSCQBJGB-UNOMPAQXSA-N

Smiles: CC1=CC(=C(C=C1C)C1=CC=C(/C=C2\C(=O)N(N=C\2C)C2C=CC(=CC=2)C(O)=O)O1)[N+][[O-]]=O

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 30 mM

保存条件: Store in dry, dark place for one year.

产品介绍: C646 is a potent, selective and cell-permeable p300/CBP histone acetyltransferase (HAT) inhibitor with an IC₅₀ ~400 nM. It competes with acetyl-CoA for the p300 Lys-CoA binding pocket selectively. It blocks the growth of human melanoma, leukemia, lung, and prostate cancer cells in vitro. C646 has also been used to study the role of p300-mediated gene regulation in neuroscience. The histone acetyltransferase (HAT) p300/CBP is a transcriptional coactivator implicated in many gene regulatory pathways and protein acetylation events. C646 is a useful chemical probe to study p300/CBP HAT functions.