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SGC-CBP30

产品编号: D50808

CAS: 1613695-14-9

分子式: C28H33ClN4O3

纯度: ≥98%

InChi: InChI=1S/C28H33ClN4O3/c1-18(32-11-13-35-14-12-32)17-33-25-8-7-22(28-19(2)31-36-20(28)3)16-24(25)30-27(33)10-6-21-5-9-26(34-4)23(29)15-21/h5,7-9,15-16,18H,6,10-14,17H2,1-4H3/t18-/m0/s1

InChi Key: GEPYBHCJBORHCE-SFHVURJKSA-N

Smiles: COC1C=CC(CCC2=NC3C=C(C=CC=3N2C[C@H](C)N2CCOCC2)C2=C(C)ON=C2C)=CC=1Cl

外观: 固体粉末

作用通路: Epigenetic Reader Domain

溶解性: DMSO up to 100 mM

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

产品介绍: SGC-CBP30 is a highly potent and selective p300/CBP bromodomain inhibitor (IC50 ~0.021-0.069 μM for CBP and ~0.038 μM for p300). It has 40-fold selectivity for CBP over BRD4. It accelerated FRAP recovery at 1 μM. p300 and CBP are transcriptional co-activators that modulate DNA replication, DNA repair, cell growth, transformation, and development. Both p300 and CBP contain bromodomains, which mediate their binding to acetylated lysine residues on histones and other proteins. Chromosomal translocations of p300 or CBP with MOZ, MLL have been observed in acute myeloid leukemia. CBP has also been associated with Amyotrophic lateral sclerosis (ALS), a neurodegenerative disease with progressive degeneration of motor neurons in the brain and spinal cord, Alzheimer's disease and polyglutamine diseases such as Spinal and Bulbar Muscular Atrophy and Huntington’s disease.