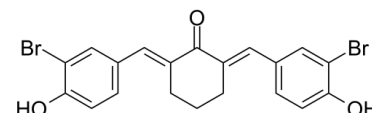


Data Sheet

Product Name:	Histone Acetyltransferase Inhibitor II
Cat. No.:	CS-5959
CAS No.:	932749-62-7
Molecular Formula:	C ₂₀ H ₁₆ Br ₂ O ₃
Molecular Weight:	464.15
Target:	Histone Acetyltransferase
Pathway:	Epigenetics
Solubility:	DMSO : ≥ 30 mg/mL (64.63 mM)



BIOLOGICAL ACTIVITY:

Histone Acetyltransferase Inhibitor II (compound 2c) is a potent, selective and cell permeable **p300 histone acetyltransferase** inhibitor, with an **IC₅₀** of 5 μM. Histone Acetyltransferase Inhibitor II shows anti-acetylase activity in mammalian cells^[1]. **IC₅₀ & Target: IC₅₀: 5 μM (p300 histone acetyltransferase)^[1] In Vitro:** Histone Acetyltransferase Inhibitor II (20-40 μM) decreases the levels of H3 acetylation in HeLa-H2B-EYFP cells^[1].

References:

[1]. Costi R, et al. Cinnamoyl compounds as simple molecules that inhibit p300 histone acetyltransferase. J Med Chem. 2007 Apr 19;50(8):1973-7. Epub 2007 Mar 10.

CAIndexNames:

Cyclohexanone, 2,6-bis[(3-bromo-4-hydroxyphenyl)methylene]-

SMILES:

O=C1C(CCC/C1=C/C2=CC=C(O)C(Br)=C2)=C/C3=CC=C(O)C(Br)=C3

Caution: Product has not been fully validated for medical applications. For research use only.

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