

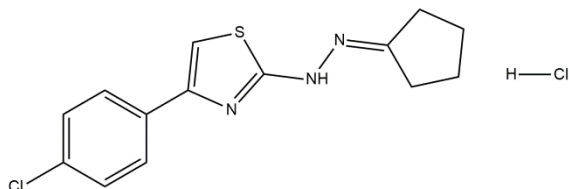
CPTH2 (hydrochloride)

5/19

ALTERNATE NAMES: 4-(4-chlorophenyl)-2-(2-cyclopentylidenehydrazinyl)thiazole hydrochloride, Histone Acetyltransferase Inhibitor IV, CPTH2

CATALOG #: B2815-1 1 mg
B2815-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₅Cl₂N₃S

MOLECULAR WEIGHT: 328.26

CAS NUMBER: 2108899-91-6

APPEARANCE: Crystalline solid

PURITY: ≥95%

SOLUBILITY: 5 mg/ml in ethanol and DMF
16 mg/ml in DMSO

DESCRIPTION: CPTH2 (hydrochloride) is an inhibitor of Histone Acetyltransferase (HAT) activity of Gcn5. Gcn5 acetylates histones H2B and H3. CPTH2 inhibited HAT reaction *in vitro* and it decreased acetylation of histone H3 at the specific H3-K14 site *in vivo* at micromolar concentrations. CPTH2 inhibited the Gcn5p dependent network. CPTH2 reduced the growth of adenovirus by inhibiting the lysine acetyltransferase activity of Gcn5.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Anacardic Acid (Cat. No. 1849)
 CAY10669 (Cat. No. B2806)
 Plumbagin (Cat. No. 2290)
 Delphinidin (chloride) (Cat. No. B2807)
 Garcinol (Cat. No. 2088)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***