

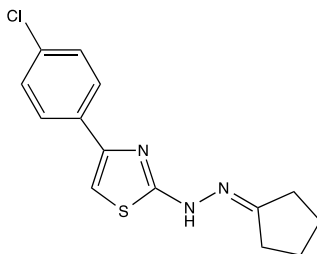
Catalog # 10-4528

CPTH2

CAS#357649-93-5

Cyclopentylidene-[4-(4'-chlorophenyl)thiazol-2-yl]hydrazone

Lot # FBM2085



CPTH2 is a selective inhibitor of the histone acetyltransferase Gcn5P both *in vitro* and *in vivo* (IC₅₀ = 0.8 mM). *In vitro*, the HAT inhibitory activity of CPTH2 was caused via bridge-interaction with histone H3. Its *in vivo* activity may involve more histonic and/or non-histonic Gcn5p substrates.

- 1) Chimenti et al., (2009), *A novel histone acetyltransferase inhibitor modulating Gcn5 network: cyclopentylidene-[4-(4'-chlorophenyl)thiazol-2-yl]hydrazone*; J.Med.Chem. **52** 530

PHYSICAL DATA

Molecular Weight:	291.80
Molecular Formula:	C ₁₄ H ₁₄ ClN ₃ S
Purity:	>98% (TLC: 10% Ethyl acetate/hexanes; R _f = 0.32) NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/ml).
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Store solutions in DMSO at -20°C for up to 1 month.

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