

CPTH2, HAT inhibitor

Catalog	Unit
TBI4528-5MG	5 mg
TBI4528-25MG	25 mg

Product Details

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

Molecular Formula: C₁₄H₁₄ClN₃S

Formula Weight: 291.80

CAS Number: 357649-93-5

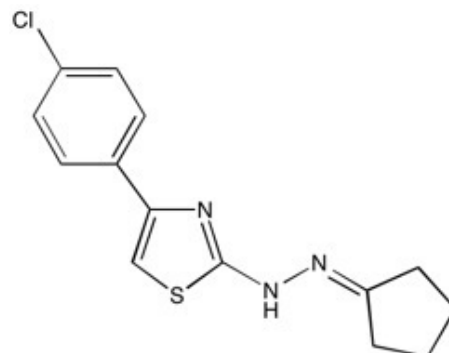
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

HAT inhibitor

Functions

CPTH2 is a selective inhibitor of the histone acetyltransferase Gcn5P both in vitro and in vivo (IC₅₀ = 0.80 mM). In vitro, the HAT inhibitory activity of CPTH2 was caused via bridge-interaction with histone H3. In vivo it decreased acetylation of bulk histone H3 at the H3-AcK14 site.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

For research use only.