

Remodelin, Acetyl-transferase NAT10 inhibitor

Catalog	Unit
TBI5085-5MG	5 mg
TBI5085-25MG	25 mg

Product Details

Formal Name: 4-[2-(2-cyclopentylidenehydrazinyl)-4-thiazolyl]-benzonitrile

Molecular Formula: C₁₅H₁₄N₄S

Formula Weight: 282.36

CAS Number: 949912-58-7

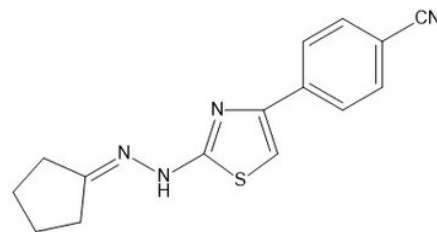
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Acetyl-transferase NAT10 inhibitor

Functions

Potent and selective inhibitor of N-acetyltransferase 10 (NAT10) which is capable of acetylating microtubules and histones. Improves nuclear architecture, chromatin organization and fitness of both human lamin A/C-depleted cells and Hutchinson-Gilford progeria syndrome patient cells, normalizing progeric and aging cells. Enhances health span in a mouse model of human accelerated aging syndrome. Significantly reduces many of the defects associated with accumulation of the lamin A precursor, prelamin A. Inhibits NAT10-promoted metastasis which may be mediated by endothelial-to-mesenchymal transition in hepatocellular carcinoma.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.