

10058-F4, Myc inhibitor

Catalog	Unit
TBI1466-5MG	5 mg
TBI1466-25MG	25 mg

Product Details

Formal Name: 5-[(4-Ethylphenyl)methylene]-2-thioxo-4-thiazolidinone

Molecular Formula: C₁₂H₁₁NOS₂

Formula Weight: 249.36

CAS Number: 403811-55-2

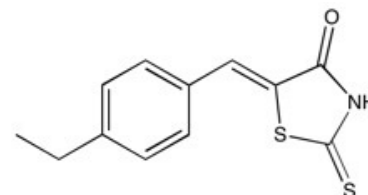
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 60 mg/ml) or in Ethanol (up to 20 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Myc inhibitor

Functions

Effectively disables c-Myc by inhibiting the c-Myc-Max association and function. It prevents the growth of fibroblasts in a c-Myc-dependent manner. Downregulates human telomerase reverse transcriptase and enhances chemosensitivity in human hepatocellular carcinoma cells. Induces cell cycle arrest, apoptosis and myeloid differentiation in human acute myeloid leukemia. Inhibits the MYCN/Max interaction leading to cell cycle arrest, apoptosis and neuronal differentiation in MYCN-amplified neuroblastoma cells.

Application Procedures

First dissolved in DMSO (up to 60 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.