

FQI1, LSF ligand

| Catalog | Unit |
|--------------|-------|
| TBI1360-5MG | 5 mg |
| TBI1360-25MG | 25 mg |

Product Details

Formal Name: 8-(2-Ethoxyphenyl)-7,8-dihydro-[1,3]dioxolo[4,5-g]quinoline-6(5H)-one

Molecular Formula: C₁₈H₁₇NO₄

Formula Weight: 311.33

CAS Number: 599151-35-6

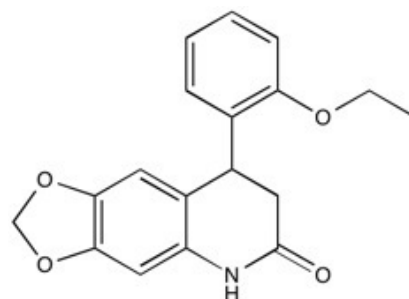
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

LSF ligand

Functions

Inhibitor of transcription factor LSF specifically targeting its DNA binding and corresponding transcriptional activity (IC₅₀=2.1 μM). Rapidly induces apoptosis in an aggressive hepatocellular carcinoma (HCC) cell line and dramatically inhibits tumor growth in a mouse xenograft model with no general tissue cytotoxicity. In human HCC cells, FQI1 induced mitotic arrest with an accompanying increase in cyclin B1. Blocks LSF-stimulated activation of DNA methyltransferase 1. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.