1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{12}\text{H}_{11}\text{NOS}_{2} \)
Batch Molecular Weight: 249.35
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM, ethanol to 20 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

\(^1\text{H} \text{NMR:}\) Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>57.8</td>
<td>57.61</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.45</td>
<td>4.58</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>5.62</td>
<td>5.65</td>
</tr>
</tbody>
</table>
Product Name: 10058-F4
CAS Number: 403811-55-2
IUPAC Name: 5-[(4-Ethylphenyl)methylene]-2-thioxo-4-thiazolidinone

Description:
Cell permeable c-Myc-Max dimerization inhibitor. Inhibits proliferation, induces apoptosis and arrests cells in G0/G1 in rat1a-c-Myc cells. Also reduces tumor growth in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C12H11NOS
Batch Molecular Weight: 249.35
Physical Appearance: Yellow solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 20 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: