1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{28}\text{H}_{30}\text{O}_{2}\text{S}_{2} \)

Batch Molecular Weight: 462.67

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Desiccate at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.5 \) (Dichloromethane:Methanol [98:2])

HPLC: Shows 100% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>72.69</td>
<td>72.29</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.54</td>
<td>6.54</td>
</tr>
<tr>
<td>Nitrogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: MM 11253
Catalog No.: 3822
Batch No.: 2

CAS Number: 345952-44-5
IUPAC Name: 6-[2-(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-1,3-dithiolan-2-yl]-2-naphthalenecarboxylic acid

Description:
Selective RAR\textsubscript{\textgamma} antagonist. Blocks the growth inhibitory ability of RAR\textsubscript{\textgamma}-selective agonists in squamous cell carcinoma (SCC)-25 cells.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{29}H\textsubscript{29}O\textsubscript{2}S\textsubscript{2}
Batch Molecular Weight: 462.67
Physical Appearance: Off-white solid
Minimum Purity: >98%

Storage: Desiccate at RT

Solubility & Usage Info:
DMSO to 100 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: