Product Name: MIM1  
Catalog No.: 4762  
Batch No.: 1  
IUPAC Name: 4-(E)-[[2Z]-2-cyclohexylimino)-4-methyl-1,3-thiazol-3(2H)ylimino)methyl]benzene-1,2,3-triol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{17}\text{H}_{21}\text{N}_{3}\text{O}_{3}\text{S} \)

Batch Molecular Weight: 347.43

Physical Appearance: Pale yellow solid

Solubility: DMSO to 100 mM, ethanol to 20 mM

Storage: Store at +4°C

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

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

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
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</thead>
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<tr>
<td>Carbon</td>
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<tr>
<td>Hydrogen</td>
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<tr>
<td>Nitrogen</td>
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<td>12.01</td>
</tr>
</tbody>
</table>

Certificate of Analysis

Print Date: Feb 27th 2019

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** MIM1  
**Catalog No.:** 4762  
**Batch No.:** 1  
**IUPAC Name:** 4-(E)-[([2Z]-2-cyclohexylimino)-4-methyl-1,3-thiazol-3(2H)-yl]limino[methyl]benzene-1,2,3-triol

**Description:**
Inhibitor of Mcl-1. Inhibits Mcl-1 indirectly by induction of the proapoptotic Mcl-1 ligand NOXA via the unfolded protein response (UPR) pathway. Sensitizes leukemia cells to the Bcl-2 inhibitor venetoclax (ABT-199). Induces caspase-3/7 activation and cell death in Mcl-1-dependent leukemia cells. Also blocks Mcl-1-mediated suppression of tBid-induced Bax activation in vitro.

**Physical and Chemical Properties:**
Batch Molecular Formula: C_{19}H_{25}N_{3}O_{2}S  
Batch Molecular Weight: 347.43  
Physical Appearance: Pale yellow solid

**Storage:** Store at +4°C  
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**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:**