1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{12}\text{Cl}_{3}\text{N}_{3}\text{O}_{2} \)
Batch Molecular Weight: 436.74
Physical Appearance: Off White solid
Solubility: DMSO to 50 mM
Storage: Desiccate at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.7% 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>52.25</td>
<td>52.2</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>2.77</td>
<td>2.54</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.62</td>
<td>9.59</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: CITCO
Catalog No.: 3683
Batch No.: 2
CAS Number: 338404-52-7
IUPAC Name: 6-(4-Chlorophenyl)imidazo[2,1-b][1,3]thiazole-5-carbaldehyde-O-(3,4-dichlorobenzyl)oxime

Description:
Constitutive androstane receptor (CAR) agonist (EC₉₀ = 49 nM). Displays > 100-fold selectivity over PXR receptors and no activity at LXR, ERα, ERβ, PPAR, RAR, FXR, VDR and THR. Induces CAR nuclear translocation and expression of CYP2B6 in hepatocytes in vitro.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₁₂Cl₂N₃OS
Batch Molecular Weight: 436.74
Physical Appearance: Off White solid
Minimum Purity: >98%

Storage: Desiccate at -20°C

Solubility & Usage Info:
DMSO to 50 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: