1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{19}H_{15}Cl_2NO_4S$
Batch Molecular Weight: 424.3
Physical Appearance: White solid
Solubility:
- DMSO to 10 mM
- Ethanol to 50 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
$^1$H 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>53.78</td>
<td>53.78</td>
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<tr>
<td>Hydrogen</td>
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<td>3.52</td>
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<tr>
<td>Nitrogen</td>
<td>3.30</td>
<td>3.45</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: BMS 303141
Catalog No.: 4609
Batch No.: 2

CAS Number: 943962-47-8
IUPAC Name: 3,5-Dichloro-2-hydroxy-N-(4-methoxy[1,1'-biphenyl]-3-yl)-benzenesulfonamide

**Description:**
ATP citrate lyase (ACL) inhibitor (IC$_{50}$ = 0.13 μM for human recombinant ACL); blocks lipid synthesis (IC$_{50}$ = 8 μM in HepG2 cells). Displays no cytotoxicity up to a concentration of 50 μM. Lowers plasma glucose and triglycerides in a mouse model of hyperlipidemia. Orally bioavailable.

**Physical and Chemical Properties:**
Batch Molecular Formula: C$_{19}$H$_{18}$Cl$_2$NO$_4$S
Batch Molecular Weight: 424.3
Physical Appearance: White solid
Minimum Purity: >99%

**Storage:** Store at -20°C

**Solubility & Usage Info:**
DMSO to 10 mM
ethanol 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:**