1. PHYSICAL AND CHEMICAL PROPERTIES

   - Batch Molecular Formula: \( \text{C}_{31}\text{H}_{33}\text{NO}_7\text{S}_2 \)
   - Batch Molecular Weight: 595.73
   - Physical Appearance: White solid
   - Solubility: DMSO to 100 mM
   - Storage: Store at +4°C

2. ANALYTICAL DATA

   - HPLC: Shows 99.8% purity
   - \(^1\text{H NMR:}\) Consistent with structure
   - Mass Spectrum: Consistent with structure
   - Microanalysis:
     
     | Element | Theoretical | Found |
     |---------|-------------|-------|
     | Carbon  | 62.5%       | 62.67%|
     | Hydrogen| 5.58%       | 5.53% |
     | Nitrogen| 2.35%       | 2.39% |

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

Product Name: SR 9238
CAS Number: 1416153-62-2
IUPAC Name: Ethyl 5-[[3’-(Methylsulfonyl)[1,1’-biphenyl]-4-yl]methyl][2,4,6-trimethylphenyl)sulfonyl]amino[methyl]-2-furancarboxylate

Description:
Potent and selective LXR inverse agonist (IC_{50} values are 43 and 214 nM for LXRβ and LXRα, respectively). Selectively inhibits liver LXR over peripheral LXR. Exhibits selectivity for LXR over a panel of 20 other nuclear receptors, including FXR. Reduces hepatic steatosis in obese mice.

Physical and Chemical Properties:
Batch Molecular Formula: C_{37}H_{32}NO_{17}S_{2}
Batch Molecular Weight: 595.73
Physical Appearance: White solid
Minimum Purity: >98%

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: