

Product Name: SR 9238

Catalog No.: 5854

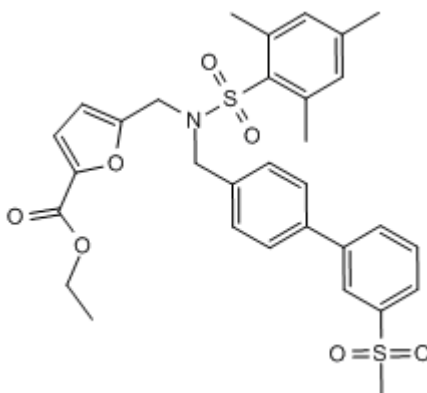
Batch No.: 1

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₁H₃₃NO₇S₂
Batch Molecular Weight: 595.73
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.5	5.58	2.35
Found	62.67	5.53	2.39

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

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Description:

Potent and selective LXR inverse agonist (IC₅₀ 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:

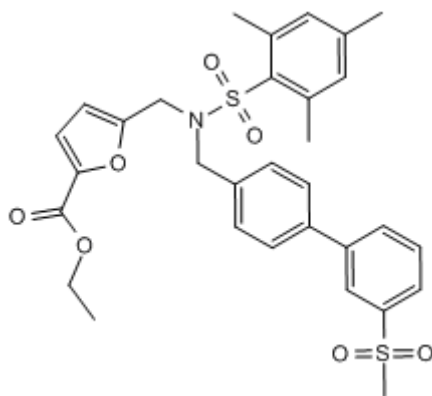
Batch Molecular Formula: C₃₁H₃₃NO₇S₂

Batch Molecular Weight: 595.73

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

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:

Griffett et al (2013) A liver-selective LXR inverse agonist that suppresses hepatic steatosis. *ACS Chem.Biol.* **8** 559. PMID: 23237488.

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