

**Product Name:** SR 9243

**Catalog No.:** 6138

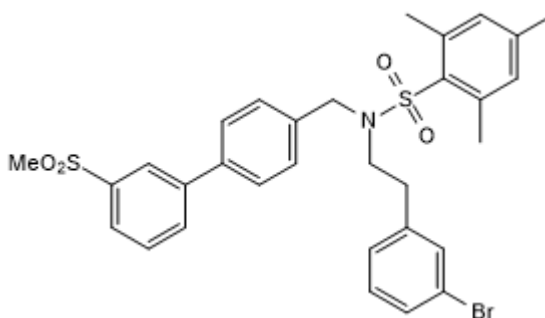
**Batch No.:** 1

CAS Number: 1613028-81-1

IUPAC Name: *N*-[2-(3-Bromophenyl)ethyl]-2,4,6-trimethyl-*N*-[[3'-(methylsulfonyl)[1,1'-biphenyl]-4-yl]methyl]benzenesulfonamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>31</sub>H<sub>32</sub>BrNO<sub>4</sub>S<sub>2</sub>  
**Batch Molecular Weight:** 626.62  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 20 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.42	5.15	2.24
Found	59.29	5.07	2.19

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

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**Description:**

Selective LXR inverse agonist. Exhibits no significant activity at other nuclear receptors at maximally effective concentration. Inhibits the Warburg effect and lipogenesis by down-regulation of LXR-mediated gene expression. Selectively reduces cell viability and induces apoptosis in cancer cell lines in vitro. Suppresses hepatic steatosis and inhibits growth of tumor xenografts in mice.

**Physical and Chemical Properties:**

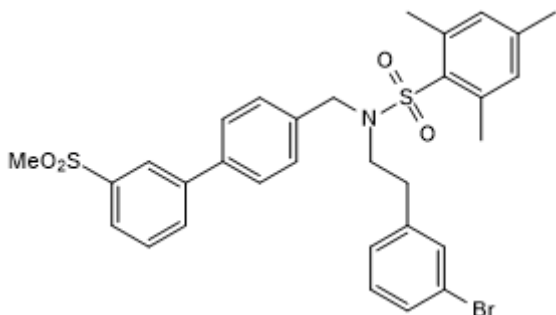
Batch Molecular Formula: C<sub>31</sub>H<sub>32</sub>BrNO<sub>4</sub>S<sub>2</sub>

Batch Molecular Weight: 626.62

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C. This product is packaged under an inert atmosphere.

**Solubility & Usage Info:**

DMSO 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:**

**Flaveny et al** (2015) Broad anti-tumor activity of a small molecule that selectively targets the Warburg effect and lipogenesis. *Cancer Cell*. **28** 42. PMID: 26120082.

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