

**Product Name:** SR 2211

**Catalog No.:** 4869

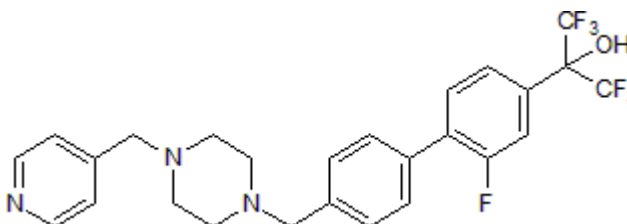
**Batch No.:** 2

CAS Number: 1359164-11-6

IUPAC Name: 2-Fluoro-4'-[[4-(4-pyridinylmethyl)-1-piperazinyl]methyl]-a,a-bis(trifluoromethyl)-[1,1'-biphenyl]-4-methanol

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>24</sub>F<sub>7</sub>N<sub>3</sub>O  
**Batch Molecular Weight:** 527.48  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
 1eq. HCl to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.42 (Chloroform:Methanol [9:1])  
**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 59.2   | 4.59     | 7.97     |
| Found       | 59.4   | 4.61     | 7.95     |

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

**Product Name:** SR 2211

**Catalog No.:** 4869

**Batch No.:** 2

CAS Number: 1359164-11-6

IUPAC Name: 2-Fluoro-4'-[[4-(4-pyridinylmethyl)-1-piperazinyl]methyl]-a,a-bis(trifluoromethyl)-[1,1'-biphenyl]-4-methanol

**Description:**

Selective inverse agonist of retinoic acid receptor-related orphan receptor  $\gamma$  (ROR $\gamma$ ) ( $K_i$  = 105 nM;  $IC_{50}$  ~320 nM). Exhibits weak activity at liver X receptor  $\alpha$  (LXR $\alpha$ ); does not affect the transcriptional activity of farnesoid X receptors (FXR), and has no impact on the transcriptional activity of ROR $\alpha$ .

**Physical and Chemical Properties:**

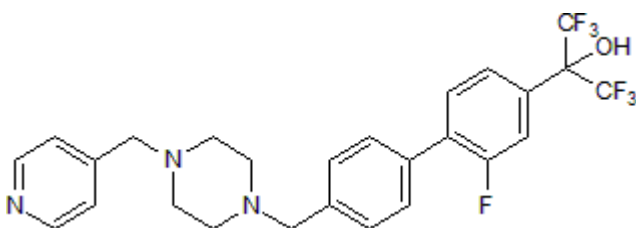
Batch Molecular Formula: C<sub>26</sub>H<sub>24</sub>F<sub>7</sub>N<sub>3</sub>O

Batch Molecular Weight: 527.48

Physical Appearance: Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

1eq. HCl 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:**

**Kumar et al** (2012) Identification of SR2211: a potent synthetic ROR $\gamma$ -selective modulator. ACS Chem.Biol. 7 672. PMID: 22292739.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956