

## Certificate of Analysis

**Product Name:** SR 0987

**Catalog No.:** 5868

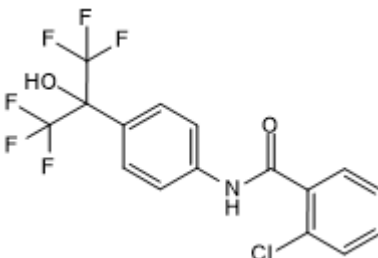
**Batch No.:** 1

CAS Number: 303126-97-8

IUPAC Name: 2-Chloro-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]benzamide

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>16</sub>H<sub>10</sub>ClF<sub>6</sub>NO<sub>2</sub>  
**Batch Molecular Weight:** 397.7  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	48.32	2.53	3.52
Found	48.24	2.43	3.51

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

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**Description:**

T cell-specific ROR $\gamma$  (ROR $\gamma$ t) agonist (EC<sub>50</sub> = 800 nM in a gene reporter assay). Induces IL-17 expression and decreases PD-1 expression in T cells in vitro.

**Physical and Chemical Properties:**

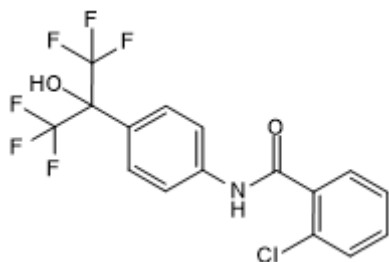
Batch Molecular Formula: C<sub>16</sub>H<sub>10</sub>ClF<sub>6</sub>NO<sub>2</sub>

Batch Molecular Weight: 397.7

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**References:**

**Chang et al** (2016) Synthetic ROR $\gamma$ t agonists enhance protective immunity. ACS Chem.Biol. **11** 1012. PMID: 26785144 .

**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol 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.

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