

Product Name: SR 0987

Catalog No.: 5868

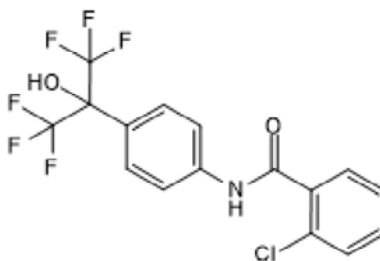
Batch No.: 1

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: C₁₆H₁₀ClF₆NO₂
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 99.6% purity
¹H 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:

SR 0987 is a T cell-specific ROR γ (ROR γ t) agonist (EC₅₀ = 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:

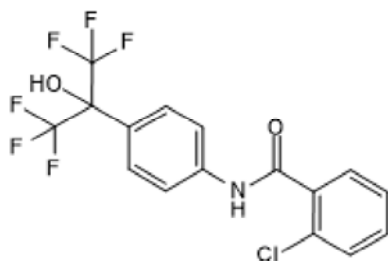
Batch Molecular Formula: C₁₆H₁₀ClF₆NO₂

Batch Molecular Weight: 397.7

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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.

References:

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

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