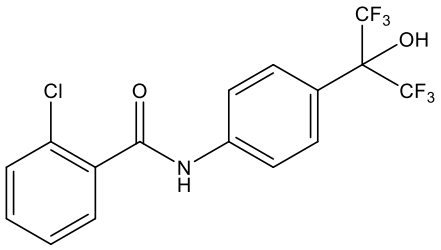
# Catalog # 10-4008
# SR0987

CAS# 303126-97-8

2-Chloro-*N*-[4-(1,1,1,3,3,3-hexafluoro-2-hydroxypropan-2-yl)phenyl]benzamide

Lot # FBS2008




RORγt is a T cell specific isoform of ROR that is a key transcription factor for initiating the differentiation of $T_h17$ and $T_c17$ cells. SR0987 is a RORγt agonist that drives proliferation of $T_h17$ cells and decreases levels of the immune checkpoint protein PD-1. In a Ga14 UAS-Luc cotransfection system, SR0987 induced reporter gene expression ($EC_{50}$ = 800nM). Treatment of human Jurkat T cells with SR0987resulted in decreased cell surface PD-1 expression. RORγt agonists may synergize with current anti-PD-1 therapy and represent a new potential class of cancer immunotherapeutic.

1) Chang *et al.* (2016*), Synthetic RORγt Agonists Enhance Protective Immunity;* ACS Chem.Biol. **11** 1012

## PHYSICAL DATA

| | |
|---|---|
| Molecular Weight: | 397.70 |
| Molecular Formula: | $C_{16}H_{10}ClF_6NO_2$ |
| Purity: | >98% by HPLC |
| | NMR: (Conforms) |
| Solubility: | DMSO (>25 mg/ml) and Ethanol (>25 mg/mL) |
| Physical Description: | White solid |
| Storage and Stability: | Store as supplied at -20ºC for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month. |

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