

SR0987, ROR γ t agonist

Catalog	Unit
TBI4008-5MG	5 mg
TBI4008-25MG	25 mg

Product Details

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

Molecular Formula: C₁₆H₁₀F₆NO₂

Formula Weight: 397.70

CAS Number: 303126-97-8

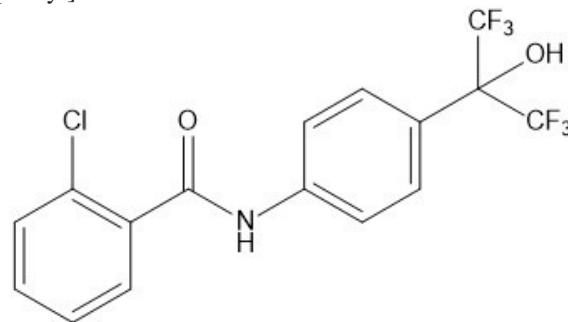
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in Ethanol (up to at least 25 mg/ml)

Storage: -20°C

Stability: \geq 1 year.



Applications

ROR γ t agonist

Functions

ROR γ t is a T cell specific isoform of ROR that is a key transcription factor for initiating the differentiation of Th17 and Tc17 cells. SR0987 (303126-97-8) is a ROR γ t agonist that drives proliferation of Th17 cells and decrease levels of the immune checkpoint protein PD-1. In a Ga14 UAS-Luc cotransfection system, SR0987 induced reporter gene expression (EC₅₀ = 800nM). Treatment of human Jurkat T cells with SR0987 resulted in decreased cell surface PD-1 expression. ROR γ t agonists may synergize with current anti-PD-1 therapy and represent a new potential class of cancer immunotherapeutic.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in Ethanol (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.