

SR1078, ROR agonist

| Catalog | Unit |
|--------------|-------|
| TBI4066-10MG | 10 mg |
| TBI4066-50MG | 50 mg |

Product Details

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

Molecular Formula: C₁₇H₁₀F₉NO₂

Formula Weight: 431.30

CAS Number: 1246525-60-9

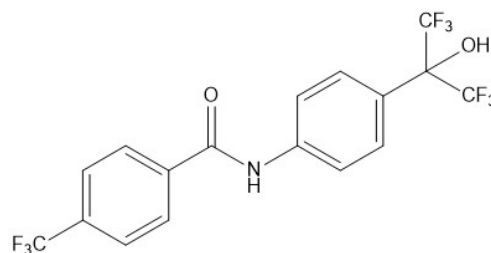
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

ROR agonist

Functions

Agonist of the orphan nuclear receptors ROR α and ROR γ . It attenuated intrapancreatic pathological changes in mouse models of chronic pancreatitis via restoration of the circadian stabilizing loop. SR1078 stimulation of ROR α restored clock protein BMAL1 expression and oscillation and blocked MYCN-mediated neuroblastoma growth. It reduced repetitive behavior in a mouse model of autism suggesting a potential therapeutic pathway for the disorder. SR1078 treatment lead to an increase in p53 levels and increased apoptosis in HepG2 cells.

Application Procedures

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

For research use only.