Product Name: T 0901317
Catalog No.: 2373
Batch No.: 2
CAS Number: 293754-55-9
IUPAC Name: N-(2,2,2-Trifluoroethyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES
   
   Batch Molecular Formula: C_{17}H_{12}F_9NO_3S
   Batch Molecular Weight: 481.33
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   ethanol to 100 mM
   Storage: Store at +4°C

2. ANALYTICAL DATA
   
   HPLC: Shows 99.5% purity
   ¹H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen
   Theoretical 42.42 2.51 2.91
   Found 42.17 2.42 2.78
**Product Information**

**Product Name:** T 0901317  
**Catalog No.:** 2373  
**Batch No.:** 2

**Description:**
Potent, high affinity liver X receptors (LXR) agonist (EC₅₀ ~ 50 nM, Kᵦ values are 7 and 22 nM for LXR-α and LXR-β respectively). Upregulates expression of the ABCA1 gene associated with cholesterol efflux regulation and HDL metabolism. Decreases amyloid-β production in primary neurons in vitro. Displays an EC₅₀ of ~ 5 μM for activation of bile acid farnesoid X receptors (FXRs); 10-fold more potent than natural FXR ligand chenodeoxycholic acid. Also exhibits inverse agonist activity at constitutive androstane receptors (CAR).

**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.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₁₄H₁₂F₆NO₅S
- **Batch Molecular Weight:** 481.33
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**References:**