

## T0901317, LXR agonist

Catalog	Unit
TBI3361-10MG	10 mg
TBI3361-50MG	50 mg

### Product Details

**Formal Name:** N-(2,2,2-Trifluoroethyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]-benzenesulfonamide

**Molecular Formula:** C<sub>17</sub>H<sub>12</sub>F<sub>9</sub>NO<sub>3</sub>S

**Formula Weight:** 481.30

**CAS Number:** 293754-55-9

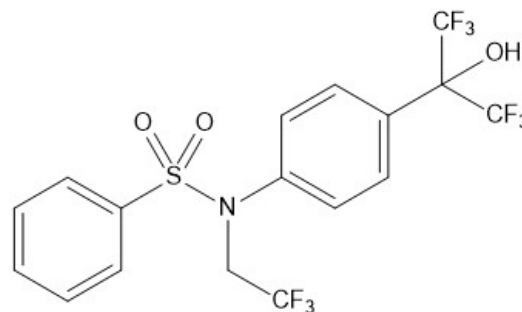
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in ethanol (up to 50 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

LXR agonist

### Functions

Potent high affinity liver X receptor (LXR $\alpha$  and  $\beta$ ) agonist, EC<sub>50</sub>~50 nM. Upregulates expression of ABCA1, a reverse cholesterol transporter, resulting in inhibition of cholesterol absorption. Inverse agonist at CAR. T0901317 was also shown to be an FXR agonist at lower potency than LXR thus appropriate controls must be employed when using this compound as a pharmacological tool. Decreases amyloid beta production in a mouse model of Alzheimer's disease. Inhibits cellular senescence in endothelial cells.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in ethanol (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**