

Product Name: T0901317 Revision Date: 04/21/2025 Product Data Sheet

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# T0901317

Cat. No.:	A2249	
CAS No.:	293754-55-9	
Formula:	C17H12F9NO3S	
M.Wt:	481.33	
Synonyms:		
Target:	Others	
Pathway:	LXR	
Storage:	Store at -20°C	
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## Solvent & Solubility

	≥24.05 mg/mL in DI	$\geqslant$ 24.05 mg/mL in DMSO; insoluble in H2O; $\geqslant$ 55.6 mg/mL in EtOH				
Preparing In Vitro Stock Solu	Preparing	Mass Solvent Concentration	1mg	5mg	10mg	
	Stock Solutions	1 mM	2.0776 mL	10.3879 mL	20.7758 mL	
	al Origin	5 mM	0.4155 mL	2.0776 mL	4.1552 mL	
	Equipe me un	10 mM	0.2078 mL	1.0388 mL	2.0776 mL	

Please refer to the solubility information to select the appropriate solvent.

## **Biological Activity**

Shortsummary	Liver X receptor agonist, potent and selective	
IC <sub>50</sub> & Target	7 nM (LXRα), 22 nM (LXRβ)	Bara uname
	Cell Viability Assay	Protocol Carol
In Vitro	Cell Line:	HEK293 cells transfected with an expression plasmid for the human LXR $\alpha$ .
	Preparation method:	The solubility of this compound in DMSO is >10 mM. General tips for obtaining
		a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or
		shake it in the ultrasonic bath for a while. Stock solution can be stored below
		-20°C for several months.

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	Reacting conditions:	20 h.
	Applications:	T0901317 is a highly potent and selective nonsteroidal LXR ligand. T0901317
		induces transcriptional activity of LXR $\alpha$ nearly 8-fold with EC50 value of 20 nM.
		T0901317 also transactivates chimeric Gal4-LXR $\alpha$ and Gal4-PXR (pregnane X
	B Unicour	receptor).
	Animal experiment	Contraction of the second
	Animal models:	6- to 10-week-old C57BL/6 mice; 12- to 16-week-old Golden Syrian Hamsters.
	Dosage form:	Mice: 5, 50 mg/kg orally. Hamsters: 3, 10, 30 mg/kg orally.
	Applications:	Oral treatment of C57BL/6 mice with T0901317 significantly increases the level
		of plasma triglycerides. In hamsters, T0901317 also increases plasma
In Vivo		triglycerides. Also, T0901317 increases the expression of fatty acid
		metabolism-associated genes and hepatic fatty acid biosynthetic genes (ACC
		(2-fold), FAS (3-fold) and SCD-1 (9-fold)).
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may
	B the Uningern	slightly differ with the theoretical value. This is caused by an experimental
	Rection Enterty	system error and it is normal.
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### **Product Citations**

See more customer validations on www.apexbt.com.





[1]. Schultz JR, Tu H, Luk A, et al. Role of LXRs in control of lipogenesis. Genes Dev, 2000, 14(22): 2831-2838.

Caution

#### FOR RESEARCH PURPOSES ONLY.

### NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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