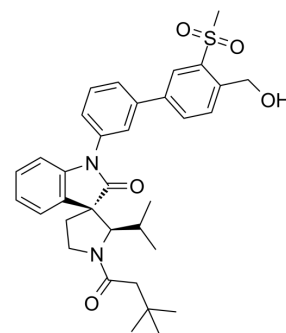


## LXR antagonist 2

Cat. No.:	HY-146289
Molecular Formula:	C <sub>34</sub> H <sub>40</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	588.76
Target:	LXR
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	LXR antagonist 2 (compound 10rr) is a potent LXR (liver X receptor) inverse agonist, with IC <sub>50</sub> values of 0.36 and 2.25 μM for LXRβ and LXRα, respectively. LXR antagonist 2 is a lipogenesis inhibitor through down-regulating LXR target genes SREBP-1c, ACC, FAS and SCD-1. LXR antagonist 2 shows lipid-lowering effects in mice with Triton WR-1339-induced hyperlipidemia [1].
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.36 ± 0.05 μM (LXRβ) 2.25 ± 0.58 μM (LXRα) <sup>[1]</sup>

### REFERENCES

[1]. Chen Z, et al. Discovery of novel liver X receptor inverse agonists as lipogenesis inhibitors. Eur J Med Chem. 2020 Nov 15;206:112793.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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