

## Product Datasheet

### LXR $\alpha$ agonist 1 (orb3028154)

<b>Catalog Number</b>	orb3028154
<b>Category</b>	Small Molecules
<b>Description</b>	LXR $\alpha$ agonist 1 (Compound 40) is a selective activator of LXR $\alpha$ , with an EC <sub>50</sub> of 42 nM, and also demonstrates some activation effects on LXR $\beta$ , with an EC <sub>50</sub> of 266 nM. It promotes target gene transcription by stabilizing the ligand-binding domain (LBD) of LXR $\alpha$ . When combined with the Raf inhibitor Sorafenib, LXR $\alpha$ agonist 1 shows significant antitumor activity in liver cancer cells. This compound is applicable in research focused on lipotoxicity-related cancers.
<b>Target</b>	Liver X Receptor
<b>MW</b>	437.533
<b>CAS Number</b>	1790089-97-2
<b>Formula</b>	C <sub>28</sub> H <sub>27</sub> N <sub>3</sub> O <sub>2</sub>
<b>SMILES</b>	<chem>O=C1C(NC2=CC=C(C=C2)N3CCCCC3)=C(C=4C=CC=CC4)C(=O)N1CC=5C=CC=CC5</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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