

Product Datasheet

LXR α agonist 1 (orb3028154)

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

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)