

Product Datasheet

Kylo-0603 (orb3028109)

Catalog Number	orb3028109
Category	Small Molecules
Description	KYLO-0603 is an orally active and selective THR-β agonist with an EC50 of 31.07 nM. It effectively reduces serum cholesterol and low-density lipoprotein cholesterol levels. By activating THR-β receptors, KYLO-0603 enhances the expression of THR-regulated genes like iodothyronine deiodinase 1 (Dio1), malic enzyme 1 (Me1), and thyroid hormone-responsive (Thrsp) gene, while it inhibits the expression of inflammatory and fibrosis-related genes, including low-density lipoprotein receptor (LDL-R) gene. This compound is applicable for the study of metabolic associated steatohepatitis (MASH) and liver fibrosis.
Target	Interleukin,LDLR,Thyroid hormone receptor(THR)
MW	1667.97
CAS Number	2661053-09-2
Formula	C ₈₁ H ₁₃₄ N ₈ O ₂₈
SMILES	<chem>C(NC(CCCCCNC(COC1=CC(C)=C(CC2=CC(C(C)C)=C(O)C=C2)C(C)=C1)=O)=O)(COCCC(NCCCCCO[C@H]3[C@H](NC(C)=O)[C@@H](O)[C@@H](O)[C@@H](CO)O3)=O)(COCCC(NCCCCCO[C@H]4[C@H](NC(C)=O)[C@@H](O)[C@@H](O)[C@@H](CO)O4)=O)COCCC(NCCCCCO[C@H]5[C@H](NC(C)=O)[C@@H](O)[C@@H](O)[C@@H](CO)O5)=O</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 | Fax: +1 (415) 651-8558

Biorbyt LLC

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

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