

Product Datasheet

Y4R agonist-1 (orb1944005)

Catalog Number	orb1944005
Category	Proteins
Description	Y4R Agonist-1 is a highly potent and selective small molecule agonist for the Y4 receptor, with a sub-nanomolar binding affinity ($K_i = 0.048$ nM). It is a valuable research tool for investigating Y4 receptor function in metabolic regulation, appetite control, and gastrointestinal physiology in both in vitro and in vivo studies.
Target	Neuropeptide Y Receptor
MW	1121.29
CAS Number	2757328-51-9
Formula	$C_{51}H_{80}N_{18}O_{11}$
SMILES	<chem>C([C@H]1C(=O)N[C@H](C(N[C@H](C(N[C@H](C(N[C@@H](CC2=CC=C(O)C=C2)C(N)=O)=O)CCCNC(=N)N)=O)CC(C)C=O)CCCN=C(N)NC(=O)NCCCCNC(=O)CCC(=O)N[C@@H](CCCNC(=N)N)C(=O)N1)C3=CC=C(O)C=C3</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
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)