

Product Datasheet

RG-239 (orb3136216)

Catalog Number	orb3136216
Category	Small Molecules
Description	RG-239 is an orally active TGR5 agonist with an EC50 of 120 nM, significantly more potent than Betulinic acid (EC50= 1.04 µM). It exhibits much higher selectivity for TGR5 over FXRα. The compound enhances mitochondrial activity in adipocytes and promotes neurite outgrowth at higher concentrations. Additionally, RG-239 inhibits LPS-induced iNOS expression and nitrite production in Raw264.7 cells and microglia. RG-239 is applicable for research related to type 2 diabetes.
Target	GPCR19
MW	496.76
CAS Number	1199222-56-4
Formula	C ₃₃ H ₅₂ O ₃
SMILES	<chem>C(O)(=O)[C@]12[C@@]([C@@]3([C@@](C)(CC1)[C@@]4(C)[C@](CC3)([C@]5(C)[C@@](CC4)(C(C)(C)[C@@](CC=C)(O)CC5)[H])[H])[H])([C@H](C(C)=C)CC2)[H]</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