

Product Datasheet

Sobetirome (orb1221059)

Catalog Number	orb1221059
Category	Small Molecules
Description	<p>Sobetirome is a selective agonist of thyroid hormone receptor β (TRβ) and binds selectively to TRβ-1 (EC50: 0.16 μM). (In Vivo): Sobetirome (GC-1) is a thyroid hormone receptor β (TRβ)- and liver uptake-selective agonist. Sobetirome (48 nmol/kg) reduces high-density lipoprotein (HDL) cholesterol and very low-density lipoprotein (VLDL) triglyceride levels in euthyroid Mice. Sobetirome reduces HDL cholesterol and triglyceride Levels in hypercholesterolemic mice. Sobetirome increases hepatic HDL receptors and stimulates bile acid synthesis in hypercholesterolemic mice. Treatment with 10\times Sobetirome (GC-1) results in a gain of fat mass of only 21% (1.7 g), and treatment with 20\times Sobetirome (GC-1) induces a decrease in fat mass of 20%.</p>
Target	THR
Purity	>98% (HPLC)
MW	328.4
Target Areas	TR β
Solubility (25°C)	DMSO: 30 mg/mL (91.4 mM); Ethanol: 30 mg/mL
CAS Number	211110-63-3
Formula	C ₂₀ H ₂₄ O ₄
SMILES	CC(C)c1cc(Cc2c(C)cc(OCC(O)=O)cc2C)ccc1O
Chemical Name	2-(4-(4-hydroxy-3-isopropylbenzyl)-35-dimethylphenoxy)acetic acid
Storage	Storage temperature: -20°C. Stability: \geq 2 years

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Note For research use only

Expiration Date 12 months from date of receipt.

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