

Product Datasheet

TGR5 agonist 9 (orb3174938)

Catalog Number	orb3174938
Category	Small Molecules
Description	TGR5 agonist 9 is a highly selective, orally active allosteric agonist of TGR5, exhibiting EC ₅₀ values of 0.48 μM for hTGR5 and 0.49 μM for mTGR5. It recruits β-arrestin 1 (EC ₅₀ = 78.8 μM) and β-arrestin 2 (EC ₅₀ = 12.3 μM), and demonstrates enhanced efficacy in cAMP accumulation (EC ₅₀ = 0.48 μM). In ICR mouse models, TGR5 agonist 9 shows significant hypoglycemic effects, making it a potential candidate for diabetes research.
Target	GPCR19
MW	475.71
CAS Number	2931879-67-1
Formula	C ₂₉ H ₄₉ NO ₄
SMILES	<chem>O(C)[C@H]1[C@@]2([C@]3([C@@](C)([C@@]([C@@H](CCC(=O)N4CCCC4)C)(CC3)[H])[C@@H](O)C[C@@]2([C@]5(C)[C@](C1)(C[C@H](O)CC5)[H])[H])[H])[H]</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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