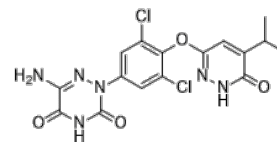


Product Name : ALG-055009
Cat. No. : PC-22997
CAS No. : 2542029-03-6
Molecular Formula : C₁₆H₁₄Cl₂N₆O₄
Molecular Weight : 425.23
Target : Thyroid Hormone Receptor (THR)
Solubility : 10 mM in DMSO



CAS: 2542029-03-6

Biological Activity

ALG-055009 is a potent, selective thyroid hormone receptor β (**THR- β**) agonist with EC₅₀ of 63 nM, 5.7 fold selective over THR- α .

ALG-055009 (>0.075 mg/kg) reduces serum lipid levels in a high fat diet rat model, significantly increases hepatic Dio1 and Me1 gene expression at doses of 0.15 and 0.5 mg/kg.

References

Vandyck K, et al. *J Med Chem*. 2024 Sep 2. doi: 10.1021/acs.jmedchem.4c01029.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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