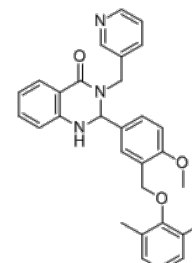


Product Name : NCGC00229600
Cat. No. : PC-20501
CAS No. : 1338824-20-6
Molecular Formula : C₃₀H₂₉N₃O₃
Molecular Weight : 479.58
Target : Thyrotropin Receptor
Solubility : 10 mM in DMSO



CAS: 1338824-20-6

Biological Activity

NCGC00229600 is a small molecule, allosteric inverse agonist of TSH receptor (TSHR), inhibits basal cAMP production by TSHRs by 53% at 30 uM.

NCGC00229600 shows no effect on [¹²⁵I]TSH binding to HEKTSHR cells, no effect on the binding of two monoclonal anti-TSHR antibodies, 2C11 and 4C1.

NCGC00229600 is an antagonist of basal and hTSH stimulation of hTSHR in human cells.

NCGC00229600 inhibits TSHR-mediated basal and GD sera up-regulation of thyroperoxidase mRNA levels by 65 ± 2.0% in primary cultures of human thyrocytes.

References

Susanne Neumann, et al. J Clin Endocrinol Metab. 2011 Feb;96(2):548-54.

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

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