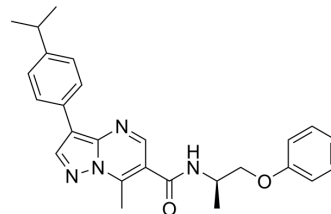


HCAR2 agonist 1

Cat. No.:	HY-156025
CAS No.:	1066676-21-8
Molecular Formula:	C ₂₆ H ₂₈ N ₄ O ₂
Molecular Weight:	428.53
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

HCAR2 agonist 1 (Compound 9n) is a G_i protein-biased allosteric modulator of HCAR2. HCAR2 agonist 1 activates the G_i protein signaling pathway. HCAR2 agonist 1 shows anti-inflammatory effect, and reduces mRNA level of pro-inflammatory cytokine (TNF- α , IL-1 β , IL-6, and MCP-1). HCAR2 agonist 1 enhances anti-inflammatory effects of orthosteric agonists in the mouse model of colitis^[1].

REFERENCES

[1]. Zhao C, et al. Biased allosteric activation of ketone body receptor HCAR2 suppresses inflammation. *Mol Cell*. 2023 Sep 7;83(17):3171-3187.e7.

Caution: Product has not been fully validated for medical applications. For research use only.

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