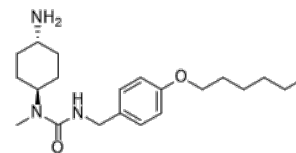


Product Name : IHCH-8110
Cat. No. : PC-27530
CAS No. : 3078735-55-1
Molecular Formula : C₂₁H₃₅N₃O₂
Molecular Weight : 361.53
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



CAS: 3078735-55-1

Biological Activity

IHCH-8110 is a potent, selective, non-brain-penetrant, peripheral-restricted serotonin 2A receptor (**5-HT2AR**) agonist with K_i of 47.86 nM, inhibits CRC progression by activating 5-HT2AR on enteric glial cells.

IHCH-8110 acts as an agonist at both 5-HT2AR and 5-HT2CR in functional assays, including calcium flux and β-arrestin2 recruitment, also functions as a 5-HT2BR antagonist.

IHCH-8110 exhibits no detectable functional activity at other GPCR family 5-HT receptors or dopamine receptors.

IHCH-8110 suppresses CRC progression by enhancing CD8⁺ T cell antitumor functions.

IHCH-8110 targets enteric glial cells (EGCs) expressed on EGCs to inhibit tumor growth.

IHCH-8110 enhances the recruitment and polarization of CD8⁺ T cells by upregulating EGC-derived CXCL10 and IL-18.

IHCH-8110 sensitizes immune-cold CRC to anti-PD-1 therapy.

References

Wen Y, et al. Targeting peripheral 5-HT2AR enhances antitumor immunity in colorectal cancer. *Cell*. 2026 Aug 4:S0092-8674(26)00826-3.

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

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