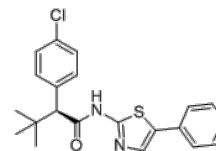


Product Name : CFMB
Cat. No. : PC-72422
CAS No. : 1208552-99-1
Molecular Formula : C₂₁H₂₁ClN₂OS
Molecular Weight : 384.922
Target : Free Fatty Acid Receptor (FFAR)
Solubility :



Biological Activity

CFMB (FFAR2 agonist 58) is a potent, allosteric **FFAR2 (GPR43)** agonist / modulator with EC₅₀ of 0.8 μ M for hFFAR2 and 0.2 μ M for rFFAR2.

CFMB functions as a positive/priming modulator in these cells by turning the natural FFA2R agonist acetate into a potent activator of the neutrophil NADPH-oxidase.

CFMB lowers the concentration of acetate required to induce a transient rise in the concentration of intracellular Ca²⁺ in neutrophils, has no direct effect on the neutrophil NADPH-oxidase activity but affects the response induced by acetate. CFMB significantly reduced the amount of internalized influenza A virus (IAV) in treated A549 cells.

References

Jonas Mårtensson, et al. *J Leukoc Biol.* 2018 Dec;104(6):1117-1132.

Guangwen Wang, et al. *J Virol.* 2020 Jan 6;94(2):e01707-19.

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

E-mail: tech@probechem.com