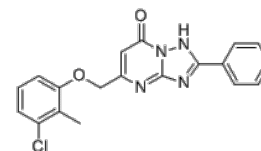


Product Name : FABP4/5 inhibitor compound 2
Cat. No. : PC-38572
CAS No. : 1227413-92-4
Molecular Formula : C₁₉H₁₅ClN₄O₂
Molecular Weight : 366.805
Target : FABP
Solubility : 10 mM in DMSO



Biological Activity

FABP4/5 inhibitor compound 2 is a potent dual FABP4 and FABP5 inhibitor with K_d of 0.01 and 0.52 μM, respectively, reduces isoproterenol-stimulated lipolysis in mouse 3T3-L1 adipocytes with IC₅₀ of 22 μM.

FABP4/5 inhibitor compound 2 inhibited basal or isoproterenol-stimulated lipolysis in 3T3-L1 and primary human adipocytes.

FABP4/5 inhibitor compound 2 inhibited basal and LPS-stimulated MCP-1 release from THP-1 cells and primary human macrophages.

FABP4/5 inhibitor compound 2 ameliorated dyslipidemia but not insulin resistance in DIO mice.

References

Hong Lan, et al. J Lipid Res. 2011 Apr;52(4):646-56.

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

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