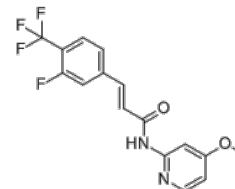


Product Name : CW5107
Cat. No. : PC-72877
CAS No. :
Molecular Formula : C₁₆H₁₂F₄N₂O₂
Molecular Weight : 340.278
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CW5107 (CW 5107) is a small molecule **HSD17B7** inhibitor that enhances oligodendrocyte formation.

CW5107 inhibited HSD17B7 in oligodendrocyte precursor cells (OPCs) with EC₅₀ of 50 nM (4-methylzymostenone and zymostenone accumulation).

CW5107 enhances oligodendrocyte formation at concentrations as low as 25 nM.

CW5107 shows selectivity over other cholesterol pathway enzymes, with no other cholesterol precursors accumulating as detected by GC-MS-based sterol profiling.

References

Pleshinger MJ, et al. *RSC Chem Biol*. 2021 Oct 21;3(1):56-68.

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

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