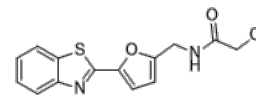


Product Name : AGPAT4 inhibitor CL26
Cat. No. : PC-25223
CAS No. : 2411250-59-2
Molecular Formula : C₁₄H₁₁ClN₂O₂S
Molecular Weight : 306.76
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2411250-59-2

Biological Activity

AGPAT4 inhibitor CL26 is a potent, isoform-specific, covalent inhibitor of acylglycerol-3-phosphate o-acyltransferase 4 (**AGPAT4**) inhibitor with IC₅₀ of 795 nM, binds to Cys228 of AGPAT4.

CL26 exhibits specificity toward AGPAT4 over other AGPAT LPAAT family members.

CL26 binds covalently to Cys228 and noncovalently to Trp106 and Trp136 through π - π interactions.

CL26 exhibits synergistic effect of combining sorafenib in high AGPAT4-expressing MHCC97L and MHCC97H cells, the C228A mutant does not exhibit resistance to sorafenib nor show synergy with CL26.

CL26 sensitizes HCC tumors to eradication by sorafenib treatment with no evidence of toxicity in HCC PDX model.

References

Ng KY, et al. *Sci Transl Med*. 2025 Jul 30;17(809):eadn9472.

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

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