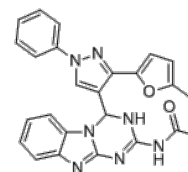


Product Name : PRGL493
Cat. No. : PC-38301
CAS No. : 2479378-45-3
Molecular Formula : C₂₅H₂₁N₇O₂
Molecular Weight : 451.49
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PRGL493 (PRGL 493) is a potent selective inhibitor of **Acyl-CoA synthetase 4 (ACSL4)**.

PRGL493 inhibited the proliferation of highly aggressive breast and prostate cancer cells with IC₅₀ of 23 uM and 27 uM, respectively.

PRGL493 blocked cell proliferation and tumor growth in both breast and prostate cellular and animal models and sensitized tumor cells to chemotherapeutic and hormonal treatment.

PRGL493 inhibited de novo steroid synthesis in testis and adrenal cells, in a mouse model and in prostate tumor cells.

References

Ana F Castillo, et al. *Cell Mol Life Sci.* 2021 Mar;78(6):2893-2910.

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

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