

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 PRGL493

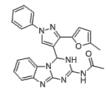
 Cat. No.
 :
 PC-38301

 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.

PGRL493 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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