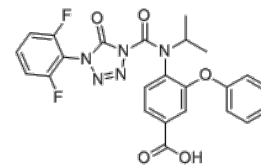


Product Name : IPI-9119
Cat. No. : PC-35893
CAS No. : 1346564-56-4
Molecular Formula : C₂₄H₁₉F₂N₅O₅
Molecular Weight : 495.443
Target : Fatty Acid Synthase
Solubility : 10 mM in DMSO



Biological Activity

IPI-9119 (IPI9119) is a potent, selective, and irreversible inhibitor of **fatty acid synthase (FASN)** with IC₅₀ of 0.3 nM in biochemical assays.

IPI-9119 inhibits PCa cell growth and induces cell cycle arrest and apoptosis, induces a profound metabolic reprogramming in PCa cells.

IPI-9119 also inhibits AR-FL and AR-V7 protein expression and induces ER stress response and protein translation inhibition, inhibits AR transcriptional activity and enhances enzalutamide efficacy in CRPC cells.

IPI-9119 inhibits tumor growth of CRPC xenografts and human mCRPC-derived organoids.

References

Zadra G, et al. *Proc Natl Acad Sci U S A*. 2018 Dec 21. pii: 201808834. doi: 10.1073/pnas.1808834116.

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

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