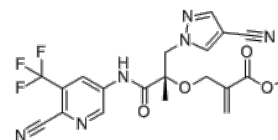


Product Name : UT-143
Cat. No. : PC-49597
CAS No. : 2698320-33-9
Molecular Formula : C₂₀H₁₇F₃N₆O₄
Molecular Weight : 462.389
Target : Androgen Receptor (AR)
Solubility : 10 mM in DMSO



Biological Activity

UT-143 (UT143) is a small-molecule selective **androgen receptor** (AR) irreversible covalent antagonist, covalently and selectively bind to C406 and C327 in the AF-1 region of AR.

UT-143 interferes liquid-liquid phase separation (LLPS), causes chromatin condensation and dissociation of AR-V7 interactome.

UT-143 possesses drug-like pharmacokinetics and metabolism properties and inhibits PCa cell proliferation and tumor growth.

References

Thiyagarajan T, et al. *Proc Natl Acad Sci U S A*. 2023 Jan 3;120(1):e2211832120.

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

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