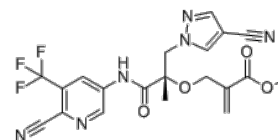


**Product Name** : UT-143  
**Cat. No.** : PC-49597  
**CAS No.** : 2698320-33-9  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>F<sub>3</sub>N<sub>6</sub>O<sub>4</sub>  
**Molecular Weight** : 462.389  
**Target** : Androgen Receptor (AR)  
**Solubility** : 10 mM in DMSO



### 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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