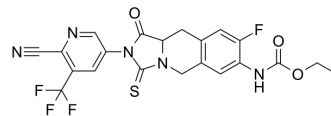


## Androgen receptor antagonist 5

<b>Cat. No.:</b>	HY-146494
<b>CAS No.:</b>	2586195-28-8
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>15</sub> F <sub>4</sub> N <sub>5</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	493.43
<b>Target:</b>	Androgen Receptor
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Androgen receptor antagonist 5 (compound 42f) is a potent androgen receptor (AR) antagonist with an IC <sub>50</sub> value of 6.17 μM. Androgen receptor antagonist 5 can effectively impair AR nuclear translocation, reducing the levels of nuclear AR, and disrupts AR-mediated gene regulation. Androgen receptor antagonist 5 has antiproliferative activity against LNCaP and exhibits antitumor activity in LNCaP xenograft tumor mice model. Androgen receptor antagonist 5 can be used for researching prostate cancer <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 6.17 μM (AR) <sup>[1]</sup>
<b>In Vitro</b>	Androgen receptor antagonist 5 has antiproliferative activity against LNCaP with an IC <sub>50</sub> of 14.8 ± 0.57 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Xu X, et al. Discovery of pyridine tetrahydroisoquinoline thiohydantoin derivatives with low blood-brain barrier penetration as the androgen receptor antagonists. *Eur J Med Chem.* 2020;192:112196.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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