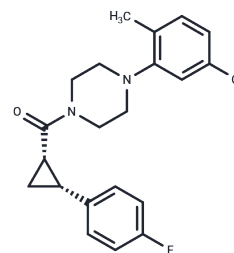


(-)-JJ-450

## Chemical Properties

CAS No. : 1998094-23-7  
 Formula: C<sub>21</sub>H<sub>22</sub>ClFN<sub>2</sub>O  
 Molecular Weight: 372.86  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | (-)-JJ-450 is a non-competitive antagonist targeting the androgen receptor (AR). It is more effective than (+)-JJ-450 in inhibiting androgen-induced AR activity, while (+)-JJ-450 inhibits AR via a mechanism distinct from Enzalutamide (MDV3100), possibly targeting the ligand-binding domain (LBD) of AR. (-)-JJ-450 inhibits transcriptional activity of both wild-type AR and the mutant ARF876L by suppressing AR nuclear translocation and promoting intranuclear degradation of unbound AR. This compound can be utilized in research focusing on castration-resistant prostate cancer (CRPC) that is resistant to Enzalutamide. |
| Targets(IC50) | Androgen Receptor  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.682 mL  | 13.4099 mL | 26.8197 mL |
| 5 mM  | 0.5364 mL | 2.682 mL   | 5.3639 mL  |
| 10 mM | 0.2682 mL | 1.341 mL   | 2.682 mL   |
| 50 mM | 0.0536 mL | 0.2682 mL  | 0.5364 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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