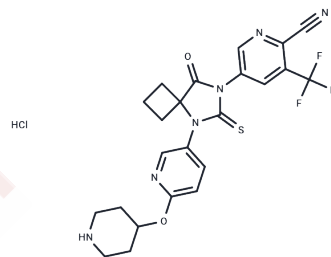


JNJ-63576253

## Chemical Properties

CAS No. : 2110428-64-1  
 Formula: C<sub>23</sub>H<sub>22</sub>ClF<sub>3</sub>N<sub>6</sub>O<sub>2</sub>S  
 Molecular Weight: 538.97  
 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	JNJ-63576253 is a Clinical Stage Androgen Receptor Antagonist for F877L Mutant and Wild-Type Castration-Resistant Prostate Cancer (mCRPC).
Targets(IC50)	Androgen Receptor
In vitro	JNJ-63576253 inhibits the growth of VCaP cells, with an IC <sub>50</sub> of 265nM[1].

## Solubility Information

Solubility	DMSO: 200 mg/mL (371.08 mM), Sonication is recommended. H <sub>2</sub> O: insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (9.28 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.8554 mL	9.277 mL	18.5539 mL
5 mM	0.3711 mL	1.8554 mL	3.7108 mL
10 mM	0.1855 mL	0.9277 mL	1.8554 mL
50 mM	0.0371 mL	0.1855 mL	0.3711 mL

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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.

### Reference

Zhang Z , Connolly P J , Lim H K , et al. Discovery of JNJ-63576253: A Clinical Stage Androgen Receptor Antagonist for F877L Mutant and Wild-Type Castration-Resistant Prostate Cancer (mCRPC)[J]. Journal of Medicinal Chemistry, 2021, 64(2).

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