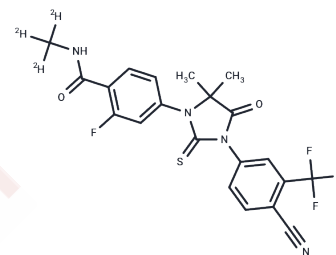


## Enzalutamide-D3

## Chemical Properties

CAS No. :	1443331-82-5
Formula:	C <sub>21</sub> H <sub>16</sub> F <sub>4</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	467.45
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	Enzalutamide-D3 is a deuterium-labeled form of the androgen receptor antagonist Enzalutamide (T6002), retaining potent anti-androgen and antineoplastic activity with an IC <sub>50</sub> of 36 nM in LNCaP prostate cancer cells, and is primarily used in pharmacokinetic, metabolic tracing, and drug interaction studies.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 20 mg/mL (42.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1393 mL	10.6963 mL	21.3927 mL
5 mM	0.4279 mL	2.1393 mL	4.2785 mL
10 mM	0.2139 mL	1.0696 mL	2.1393 mL
50 mM	0.0428 mL	0.2139 mL	0.4279 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.

## Reference

Tran C, et al. Development of a second-generation antiandrogen for treatment of advanced prostate cancer. *Science*. 2009 May 8;324(5928):787-90.

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