

## Abiraterone decanoate

## Chemical Properties

CAS No. : 2486052-18-8

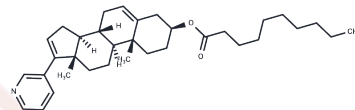
Formula: C34H49NO2

Molecular Weight: 503.76

Store at low temperature

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	Abiraterone decanoate is a prodrug of Abiraterone that provides controlled release and prolonged inhibition of the enzyme CYP17 through intramuscular (IM) administration, the sustained inhibition ability of Abiraterone decanoate attract interest in researches of cancer.
Targets(IC50)	Others,Cytochromes P450

## Solubility Information

Solubility	DMSO: 1.4 mg/mL (2.78 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	1.9851 mL	9.9254 mL	19.8507 mL
5 mM	0.397 mL	1.9851 mL	3.9701 mL
10 mM	0.1985 mL	0.9925 mL	1.9851 mL
50 mM	0.0397 mL	0.1985 mL	0.397 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

William R. Moore, et al. Abiraterone decanoate (AD): Potent and long-acting activity of a novel intramuscular (IM) abiraterone prodrug depot in a castrate monkey model. Journal of Clinical Oncology,Volume 39, Issue 6\_suppl.

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