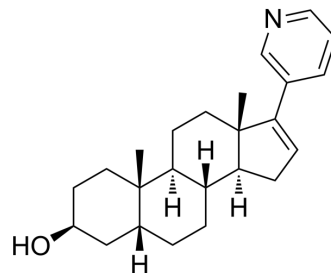


## Abiraterone metabolite 1

<b>Cat. No.:</b>	HY-103687		
<b>CAS No.:</b>	1940176-03-3		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>33</sub> NO		
<b>Molecular Weight:</b>	351.52		
<b>Target:</b>	Drug Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 25 mg/mL (71.12 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	Mass	Mass	Mass
1 mM	2.8448 mL	14.2239 mL	28.4479 mL	
5 mM	0.5690 mL	2.8448 mL	5.6896 mL	
10 mM	0.2845 mL	1.4224 mL	2.8448 mL	

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: 2.5 mg/mL (7.11 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (7.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (7.11 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Abiraterone metabolite 1 is a 5β-reduced metabolite of abiraterone. Abiraterone, a steroidal agent, inhibits CYP17A1, blocks androgen synthesis and prolongs survival in prostate cancer.

### REFERENCES

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

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