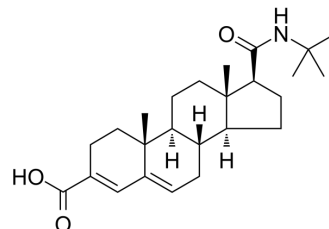


## Epristeride

<b>Cat. No.:</b>	HY-107385		
<b>CAS No.:</b>	119169-78-7		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>37</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	399.57		
<b>Target:</b>	5 alpha Reductase		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (250.27 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	2.5027 mL	12.5135 mL	25.0269 mL
		5 mM	0.5005 mL	2.5027 mL	5.0054 mL
10 mM		0.2503 mL	1.2513 mL	2.5027 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 2.5 mg/mL (6.26 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.26 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (6.26 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Epristeride (ONO-9302) is a selective, specific and orally active uncompetitive inhibitor of human steroid 5 alpha-reductase isoform 2. Epristeride has inhibitory effects for SR isoenzymes types 2 with K <sub>i</sub> value of 0.7-2 nM. Epristeride can be used for the research of prostatic hyperplasia and acne <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Ki: 0.7-2 nM(SR2) <sup>[1]</sup>
<b>In Vitro</b>	Epristeride has inhibitory effects for SR isoenzymes types 2 (SR2) with K <sub>i</sub> values of 0.7-2 nM <sup>[1]</sup> .

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MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. M A Levy, et al. Epristeride is a selective and specific uncompetitive inhibitor of human steroid 5 alpha-reductase isoform 2. J Steroid Biochem Mol Biol. 1994 Feb;48(2-3):197-206.

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

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