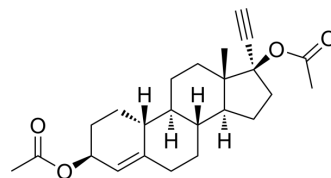


## Ethinodiol diacetate

<b>Cat. No.:</b>	HY-B1089		
<b>CAS No.:</b>	297-76-7		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>32</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	384.51		
<b>Target:</b>	Progesterone Receptor		
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor		
<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 : 150 mg/mL (390.11 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6007 mL	13.0036 mL	26.0071 mL
	5 mM	0.5201 mL	2.6007 mL	5.2014 mL
	10 mM	0.2601 mL	1.3004 mL	2.6007 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: ≥ 3.75 mg/mL (9.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3.75 mg/mL (9.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3.75 mg/mL (9.75 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Ethinodiol diacetate is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

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