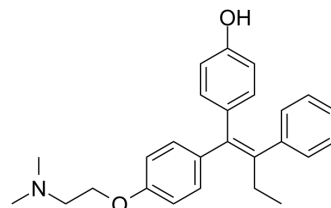


## (E)-4-Hydroxytamoxifen

<b>Cat. No.:</b>	HY-16950B		
<b>CAS No.:</b>	174592-47-3		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>29</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	387.51		
<b>Target:</b>	Estrogen Receptor/ERR		
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 12.5 mg/mL (32.26 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5806 mL	12.9029 mL	25.8058 mL
	5 mM	0.5161 mL	2.5806 mL	5.1612 mL
	10 mM	0.2581 mL	1.2903 mL	2.5806 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: ≥ 1.25 mg/mL (3.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 1.25 mg/mL (3.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 1.25 mg/mL (3.23 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

(E)-4-Hydroxytamoxifen ((E)-Afimoxifene), the less active isomer of (Z)-4-hydroxytamoxifen, is an estrogen receptor modulator.

#### IC<sub>50</sub> & Target

Estrogen receptor

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

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