



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **Endoxifen (E-isomer hydrochloride)**
产品别名: **E-因多昔芬盐酸盐; E-Endoxifen hydrochloride**

生物活性:				
Description	Endoxifen (E-isomer hydrochloride) is a tamoxifen metabolite and potent Selective Estrogen Response Modifier (SERM). Target: Estrogen Receptor/ERR Endoxifen is considered a prodrug, since it has a much higher potency for the estrogen receptor than its parent drug. Endoxifen inhibits the hERG channel protein trafficking to the plasma membrane in a concentration-dependent manner with Endoxifen being more potent than Tamoxifen. [1] Endoxifen is also shown to be a more potent inhibitor of estrogen target genes when ER β is expressed. Additionally, low concentrations of Endoxifen observed in Tamoxifen treated patients with deficient CYP2D6 activity (20 to 40 nM) markedly inhibit estrogen-induced cell proliferation rates in the presence of ER β , whereas much higher Endoxifen concentrations are needed when ER β is absent.[2]			
Solvent&Solubility	In Vitro: DMSO : \geq 30 mg/mL (73.18 mM) * " \geq " means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	2.4393 mL	12.1966 mL
		5 mM	0.4879 mL	2.4393 mL
		10 mM	0.2439 mL	1.2197 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。			
References	[1]. Chae YJ, et al. Endoxifen, the active metabolite of tamoxifen, inhibits cloned hERG potassium channels. Eur J Pharmacol. 2015 Apr 5;752:1-7. [2]. Wu X, et al. Estrogen receptor-beta sensitizes breast cancer cells to the anti-estrogenic actions of endoxifen. Breast Cancer Res. 2011 Mar 10;13(2):R27.			