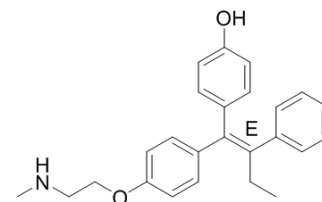


## Endoxifen E-isomer

Cat. No.:	HY-18719D		
CAS No.:	114828-90-9		
Molecular Formula:	C <sub>25</sub> H <sub>27</sub> NO <sub>2</sub>		
Molecular Weight:	373.49		
Target:	Estrogen Receptor/ERR		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 32 mg/mL (85.68 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.6774 mL	13.3872 mL	26.7745 mL
	5 mM		0.5355 mL	2.6774 mL	5.3549 mL
	10 mM		0.2677 mL	1.3387 mL	2.6774 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Endoxifen E-isomer is the E-isomer of (Z)-Endoxifen. (Z)-Endoxifen, an active metabolite generated via actions of CYP3A4/5 and CYP2D6, is a more potent selective **estrogen receptor** modulator (SERM) than Tamoxifen.

#### In Vitro

Endoxifen exists as the potently anti-estrogenic (Z)-isomer and the lesser known (E)-isomer. It is assumed that (E)-Endoxifen, structurally related to (E)-4-OH-tamoxifen, have similar pharmacological properties. The (E)-isomer is an impurity in (Z)-Endoxifen drug substance and increases under certain storage conditions. (E)-Endoxifen is identified as the primary degradant<sup>[1]</sup>.

### REFERENCES

[1]. Elkins P, et al. Characterization of the isomeric configuration and impurities of (Z)-Endoxifen by 2D NMR, high resolution LC-MS, and quantitative HPLC

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA