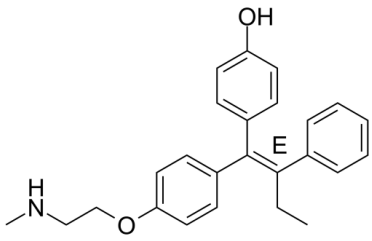
Data Sheet

Product Name:	Endoxifen (E-isomer)
Cat. No.:	CS-5913
CAS No.:	114828-90-9
Molecular Formula:	C25H27NO2
Molecular Weight:	373.49
Target:	Estrogen Receptor/ERR
Pathway:	Others
Solubility:	DMSO : ≥ 32 mg/mL (85.68 mM)



BIOLOGICAL ACTIVITY:

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[1].

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 analysis. J Pharm Biomed Anal. 2014 Jan;88:174-9.

CAIndexNames:

Phenol, 4-[(1E)-1-[4-[2-(methylamino)ethoxy]phenyl]-2-phenyl-1-buten-1-yl]-

SMILES:

OC1=CC=C(/C(C2=CC=C(OCCNC)C=C2)=C(C3=CC=CC=C3)/CC)C=C1

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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