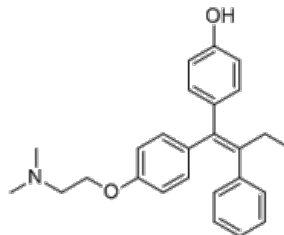


|                          |                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : 4-Hydroxytamoxifen                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>          | : Afimoxifene                                                                                                                                                                                                                                                                                               |
| <b>Cat No.</b>           | : M15614                                                                                                                                                                                                                                                                                                    |
| <b>CAS Number</b>        | : 68392-35-8                                                                                                                                                                                                                                                                                                |
| <b>Molecular Formula</b> | : C <sub>26</sub> H <sub>29</sub> NO <sub>2</sub>                                                                                                                                                                                                                                                           |
| <b>Formula Weight</b>    | : 387.51                                                                                                                                                                                                                                                                                                    |
| <b>Chemical Name</b>     | : (Z)-4-(1-(4-(2-aminoethoxy)phenyl)-2-phenylbut-1-en-1-yl)phenol                                                                                                                                                                                                                                           |
| <b>Description</b>       | : A selective estrogen receptor modulator (SERM) and the major active metabolite of tamoxifen; exhibits more potent estrogen agonist/antagonist activity and can inhibit MCF-7 and MDA-MB-231 cell proliferation with IC <sub>50</sub> values of 27 and 18 uM, respectively. Breast Cancer Phase 2 Clinical |
| <b>Pathway</b>           | : Endocrinology/Hormones                                                                                                                                                                                                                                                                                    |
| <b>Target</b>            | : Estrogen Receptor/ERR                                                                                                                                                                                                                                                                                     |
| <b>Receptor</b>          | : Others                                                                                                                                                                                                                                                                                                    |
| <b>Solubility</b>        | : DMSO: 71 mg/mL (183.2 mM); Ethanol: <1 mg/mL; Water: <1 mg/mL ( < 1 mg/ml refers to the product slightly soluble or insoluble )                                                                                                                                                                           |
| <b>SMILES</b>            | : <chem>OC1=CC=C/C(C2=CC=C(OCCN(C)C)C=C2)=C(C3=CC=CC=C3/CC)C=C1</chem>                                                                                                                                                                                                                                      |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                 |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                           |



1. Mansel R, et al. Breast Cancer Res Treat. 2007 Dec;106(3):389-97. | 2. Desta Z, et al. J Pharmacol Exp Ther. 2004 Sep;310(3):1062-75. | 3. Seeger H, et al. Horm Metab Res. 2004 May;36(5):277-80.