

Tamoxifen Citrate

Catalogue No.: abx076508

Tamoxifen Citrate is a small molecule. Tamoxifen citrate is an endocrine therapy drug used to treat breast cancer. It acts to interrupt estrogen signaling by blocking the estrogen receptor (ER). In vivo, tamoxifen and tamoxafin metabolites bind to estrogen receptors, causing the transcription of estrogen-response genes to be inhibited. In vitro, Tamoxifen is known to inhibit protein kinase C through estrogen receptor-independent antineoplastic effects. This drug therefore has important applications in breast cancer research, particularly in ER+ breast cancers. Recent studies have shown tamoxifen-resistant cells use autophagy as a survival mechanism.

Target: Tamoxifen Citrate

Origin: Synthetic

Purity: ≥99%

Form: White to off-white powder

CAS Number: 54965-24-1

Storage: Store at -20 °C.

Molecular Weight: 563.65

Molecular Formula: C₂₆H₂₉NO.C₆H₈O₇

SMILES: C(C(O)(C(=O)O)CC(=O)O)C(=O)O.C3=C(\C(=C(C1=CC=CC=C1)\CC)C2=CC=CC=C2)C=CC(=C3)OCCN(C)C

Note: This product is for research use only.