

Product Name : Clomiphene citrate

Synonyms : Clomifene citrate

Cat No. : M14715

CAS Number : 50-41-9

Molecular Formula : C₃₂H₃₆ClNO₈

Formula Weight : 598.08

Chemical Name : Ethanamine, 2-[4-(2-chloro-1,2-diphenylethenyl)phenoxy]-N,N-diethyl-, 2-hydroxy-1,2,3-propanetricarboxylate (1:1)

Description : A non-steroidal, a widely used fertility agent that inhibits estrogen receptor in the hypothalamus; shows antibacterial activity by inhibiting undecaprenyl diphosphate synthase, an enzyme that catalyzes the synthesis of a polyisoprenoid essential for both peptidoglycan and wall teichoic acid (WTA) synthesis. Other Indication Approved

Pathway : Endocrinology/Hormones

Target : Estrogen Receptor/ERR

Receptor : ER

Solubility : 10 mM in DMSO

SMILES : CCN(CC)CCOC1=CC=C(C=C1)/C=C/C2=CC=CC=C2\Cl)/C3=CC=CC=C3.C(C(=O)O)C(CC(=O)O)(C(=O)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Farha MA, et al. Proc Natl Acad Sci U S A. 2015 Sep 1;112(35):11048-53. | 2. Amita M, et al. Mol Cell Endocrinol. 2016 Jun 15;428:142-7. | 3. Elloumi-Mseddi J, et al. J Recept Signal Transduct Res. 2015 Apr;35(2):202-6.

