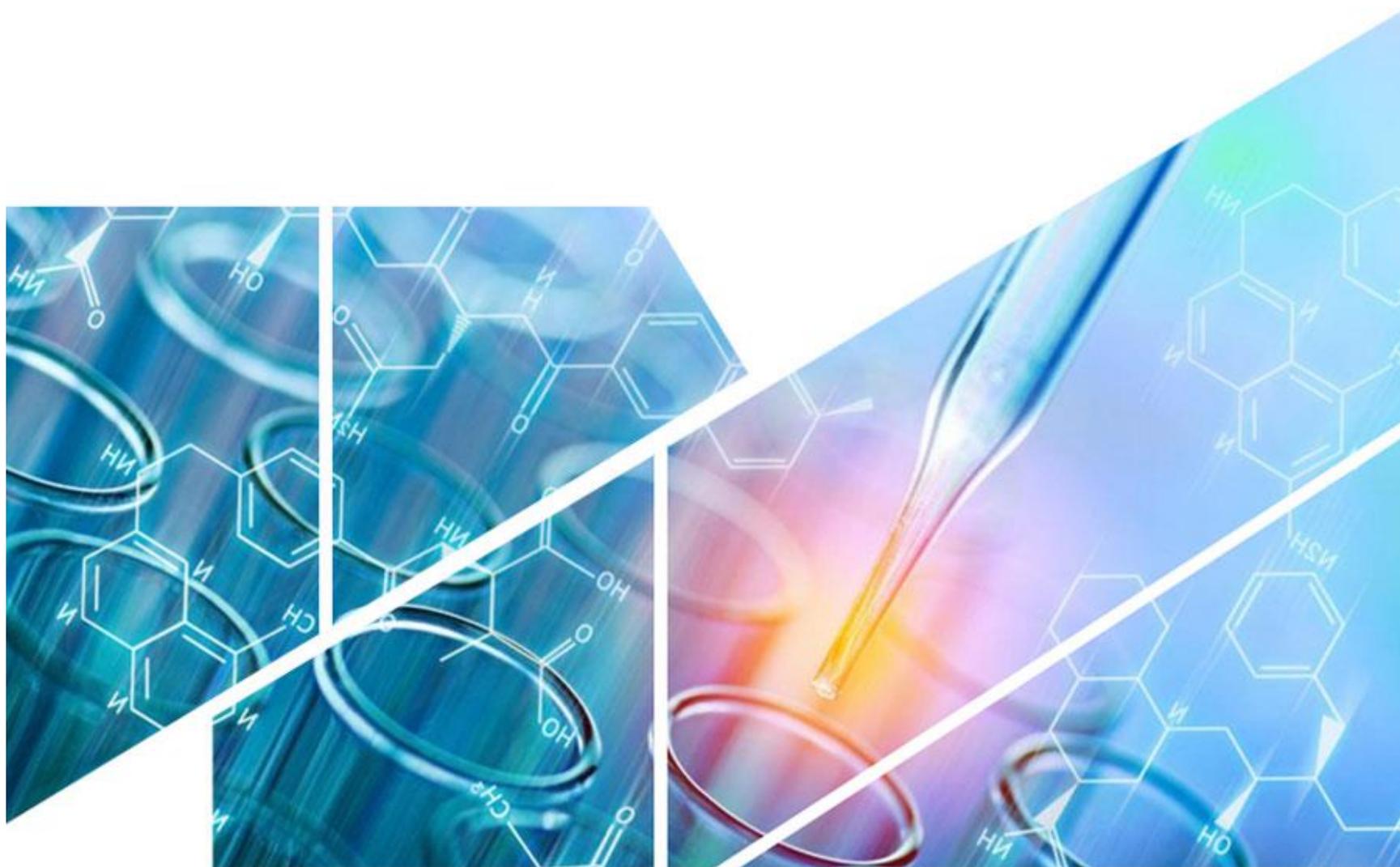


Estrogen Receptor/ERR Inhibitors (inhibitors, agonists and modulators)



Estrogen receptors (ERs) are a group of proteins found inside and on cells. They are receptors that are activated by the hormone estrogen (17 β -estradiol). Two classes of ER exist: nuclear estrogen receptors (ER α and ER β), which are members of the nuclear receptor family of intracellular receptors, and membrane estrogen receptors (mERs), which are mostly G protein-coupled receptors.



trans-Clomiphene Citrate - CAS 7599-79-3

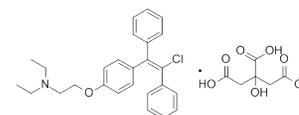
Catalog Number: B0084-476606

Price: \$198/2.5 mg; \$298/5 mg

Molecular Weight: 598.08

Molecular Formula: C₃₂H₃₆ClNO₈

Description: Enclomiphene citrate is a non-steroidal estrogen receptor antagonist. It can be used for secondary hypogonadism in overweight men wishing to restore normal testicular function.



trans-Clomiphene Citrate
CAS: 7599-79-3

Ethinyl Estradiol - CAS 57-63-6

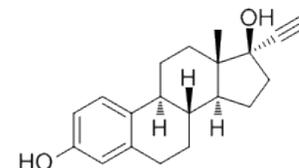
Catalog Number: B0084-072055

Price: \$188/10 g

Molecular Weight: 296.4

Molecular Formula: C₂₀H₂₄O₂

Description: Ethinyl Estradiol is a derivative of 17β-estradiol (E2), the major endogenous estrogen in humans. EE2 is an orally bioactive estrogen used in many formulations of combined oral contraceptive pills and is one of the most commonly used medications for this purpose.



Ethinyl Estradiol
CAS: 57-63-6

Lasofoxifene tartrate - CAS 190791-29-8

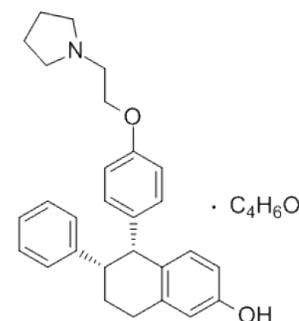
Catalog Number: B0084-086542

Price: \$498/100 mg

Molecular Weight: 563.65

Molecular Formula: C₂₈H₃₁NO₂·C₄H₆O₆

Description: Lasofoxifene tartrate is the tartrate salt form of Lasofoxifene. Lasofoxifene is a third-generation selective estrogen receptor modulators (SERMs).



Lasofoxifene tartrate
CAS: 190791-29-8

Estriol - CAS 50-27-1

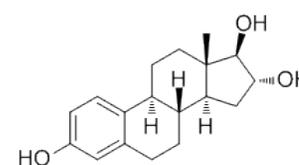
Catalog Number: B0084-093184

Price: \$199/20 g

Molecular Weight: 288.387

Molecular Formula: C₁₈H₂₄O₃

Description: Estriol is a metabolite of 17β-estradiol with much lower biological activity. It is the primary estrogen found in the urine. Large quantities of estriol and estrone are produced by the placenta during pregnancy. These are also the primary estrogens produced by adipose tissue in men and in post-menopausal women.



Estriol
CAS: 50-27-1

Estradiol - CAS 50-28-2

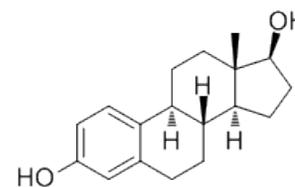
Catalog Number: B0084-093185

Price: \$188/25 g

Molecular Weight: 272.38

Molecular Formula: C₁₈H₂₄O₂

Description: Estradiol, or more precisely, 17β-estradiol, is a human sex hormone and steroid, and the primary female sex hormone. It is essential for the maintenance of fertility and secondary sexual characteristics in females.



Estradiol
CAS: 50-28-2

Estrone - CAS 53-16-7

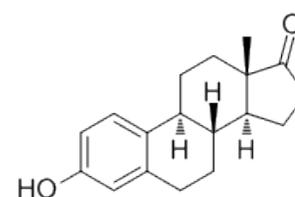
Catalog Number: B0084-093854

Price: \$299/50 g

Molecular Weight: 270.372

Molecular Formula: C₁₈H₂₂O₂

Description: Estrone is one of the three naturally occurring estrogens, the others being estradiol and estriol. Estrone is synthesized from androstenedione by the aromatase enzyme system in the ovaries and placenta, and is also synthesized from estradiol by 17-hydroxy steroid dehydrogenase in the liver. Serum concentrations of estrone in premenopausal women fluctuate according to the menstrual cycle and becomes the most predominant estrogen in postmenopausal women. The binding affinities of estrone to the estrogen receptors α and β are approximately 60% and 37% relative to estradiol.



Estrone
CAS: 53-16-7

Daidzein - CAS 486-66-8

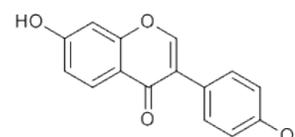
Catalog Number: B0084-119228

Price: \$288/500 g

Molecular Weight: 254.24

Molecular Formula: C₁₅H₁₀O₄

Description: Daidzein belongs to the group of isoflavones. Daidzein can be converted to its end metabolite S-equol in some humans based on the presence of certain intestinal bacteria. Based on several decades of research, S-equol has potential for significant health benefits.



Genistin - CAS 529-59-9

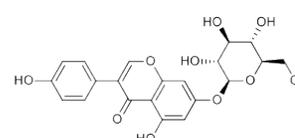
Catalog Number: B0084-474220

Price: \$250/500 mg

Molecular Weight: 432.381

Molecular Formula: C₂₁H₂₀O₁₀

Description: Genistin is a derivative of Genistein, which is a PTK inhibitor. Genistin acts as a selective estrogen receptor modulator (SERM). It increases growth of breast tumors (MCF-7), cellular proliferation and estrogen-responsive pS2 gene expression in mice.



PHTPP - CAS 805239-56-9

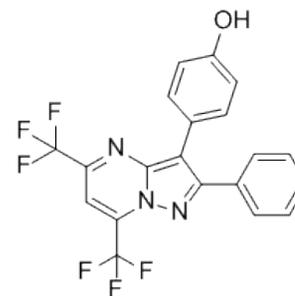
Catalog Number: B0084-129603

Price: \$198/20 mg

Molecular Weight: 423.31

Molecular Formula: C₂₀H₁₁F₆N₃O

Description: PHTPP, a pyrazolo[1,5- α]pyrimidine-based ligand, is a selective estrogen ER β receptor antagonist that displays 36-fold selectivity over ER α . This compound has been used to selectively target ER β in the study of the opposing effects of hormone therapy on tumors expressing either ER subtype.



Nafoxidine HCl - CAS 1847-63-8

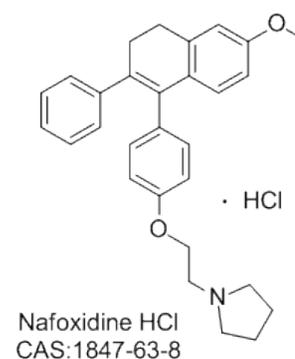
Catalog Number: B0084-294307

Price: \$299/1 g

Molecular Weight: 462.03

Molecular Formula: C₂₉H₃₂ClNO₂

Description: Nafoxidine HCl is the hydrochloride salt of nafoxidine. Nafoxidine, structurally related to Tamoxifen, is a non-steroidal partial estrogen antagonist.



Nafoxidine HCl
CAS:1847-63-8

Clomifene citrate - CAS 50-41-9

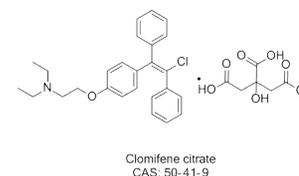
Catalog Number: B0084-300308

Price: \$299/50 g

Molecular Weight: 598.08

Molecular Formula: C₂₆H₂₈ClNO·C₆H₈O₇

Description: Clomifene Citrate is a selective estrogen receptor modulator used in the treatment of ovulation induction. It is used to treat breast cancer for its antineoplastic activity.



Clomifene citrate
CAS: 50-41-9

Raloxifene HCl - CAS 82640-04-8

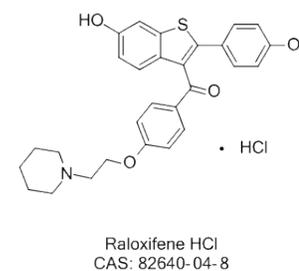
Catalog Number: B0084-303989

Price: \$199/5 g

Molecular Weight: 510.04

Molecular Formula: C₂₈H₂₈ClNO₄S

Description: Raloxifene is an oral selective estrogen receptor modulator (SERM) that has estrogenic actions on bone and anti-estrogenic actions on the uterus and breast. It is used for prevention of osteoporosis in postmenopausal women.



Raloxifene HCl
CAS: 82640-04-8

Tamoxifen Citrate - CAS 54965-24-1

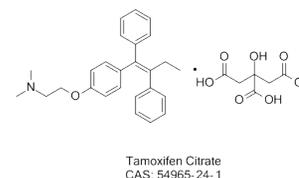
Catalog Number: B0084-304481

Price: \$299/10 g

Molecular Weight: 563.64

Molecular Formula: C₂₆H₂₉NO.C₆H₈O₇

Description: Tamoxifen Citrate is an antagonist of the estrogen receptor by competitive inhibition of estrogen binding, leading to a reduction in DNA synthesis and cellular response to estrogen.



Tamoxifen - CAS 10540-29-1

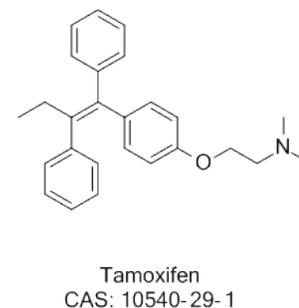
Catalog Number: B0084-358326

Price: \$250/50 g

Molecular Weight: 371.51

Molecular Formula: C₂₆H₂₉NO

Description: Tamoxifen, a selective estrogen response modifier, is used in the advanced treatment of breast and ovarian cancer for it could be metabolized to two active ingredients, 4-hydroxytamoxifen and endoxifen.



AZD9496 - CAS 1639042-08-2

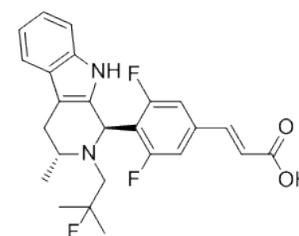
Catalog Number: B0084-470890

Price: \$198/25 mg

Molecular Weight: 442.48

Molecular Formula: C₂₅H₂₅F₃N₂O₂

Description: AZD9496 is a potent and orally bioavailable selective estrogen receptor downregulator and antagonist. AZD9496 can induce ER α degradation in breast cancer cell lines at picomolar concentrations.



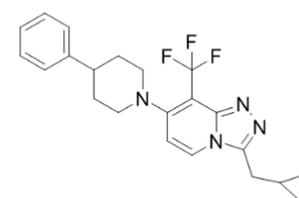
Elacestrant - CAS 722533-56-4

Catalog Number:

Molecular Weight: 458.63

Molecular Formula: C₃₀H₃₈N₂O₂

Description: Elacestrant, also referred to RAD1901, is a selective and orally available estrogen receptor (ERR) degrader (IC₅₀= 48 and 870 nM for ER α and ER β , respectively) and selective estrogen receptor modulator (SERM).



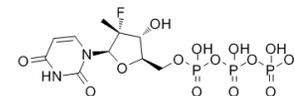
Pipendoxifene hydrochloride - CAS 245124-69-0

Catalog Number:

Molecular Weight: 493.04

Molecular Formula: C₂₉H₃₃ClN₂O₃

Description: Pipendoxifene hydrochloride is the hydrochloride salt of Pipendoxifene which



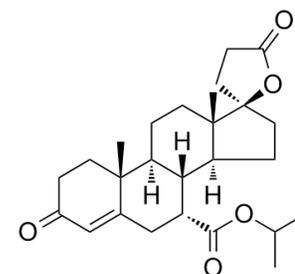
ERA63 - CAS 343248-86-2

Catalog Number:

Molecular Weight: 310.47

Molecular Formula: C₂₂H₃₀O

Description: A selective agonist of estrogen receptor α



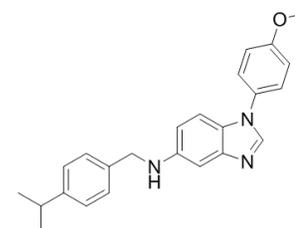
Elacestrant S enantiomer

Catalog Number:

Molecular Weight: 458.63

Molecular Formula: C₃₀H₃₈N₂O₂

Description: Elacestrant S enantiomer is a low activity enantiomer of Elacestrant. Elacestrant, also known as RAD1901, is a selective and orally bioavailable small-molecule SERD (IC₅₀ = 48 and 870 nM for ER α and ER β , respectively).



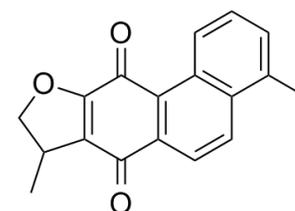
Elacestrant S enantiomer dihydrochloride

Catalog Number:

Molecular Weight: 531.56

Molecular Formula: C₃₀H₄₀Cl₂N₂O₂

Description: Elacestrant S enantiomer dihydrochloride is a low activity enantiomer of elacestrant dihydrochloride. Elacestrant, also referred to as RAD1901, is a selective and orally available estrogen receptor (ERR) degrader (IC₅₀ = 48 and 870 nM for ER α and ER β , respectively) and selective estrogen receptor modulator (SERM).



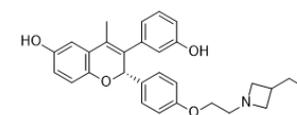
GDC-0927

Catalog Number:

Molecular Weight:

Molecular Formula:

Description: GDC-0927 (SRN-927) is a selective oral estrogen receptor degrader (SERD) in a phase I clinical trial for the treatment of postmenopausal women with locally advanced or metastatic estrogen receptor positive breast cancer. Study shows well tolerability and clinical effect.



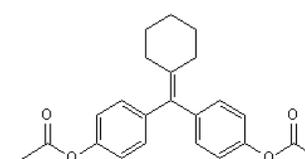
Cyclofenil - CAS 2624-43-3

Catalog Number:

Molecular Weight: 364.43

Molecular Formula: C₂₃H₂₄O₄

Description: Cyclofenil is a weak non-steroidal selective estrogen receptor modulator (SERM) with ovulation induction properties. It shows higher affinity for estrogen receptor β (ER β) than for ER α . It belongs to mammalian hormone. It is an analytical reference standard categorized as an anti-estrogen. It has been used as performance-enhancing drugs in sports doping and intended for research and forensic applications. It is a gonadal stimulant and inducer of ovulation. It is also used in the treatment of infertility and amenorrhea.



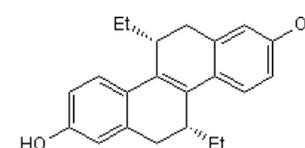
(R,R)-THC - CAS 138090-06-9

Catalog Number:

Molecular Weight: 320.42

Molecular Formula: C₂₂H₂₄O₂

Description: (R,R)-THC is a non-steroidal and selective estrogen receptor ligand. (R,R)-THC exhibits agonist activity at ER α receptor (K_i = 9.0 nM) and antagonist activity at ER β receptor (K_i = 3.6 nM). (R,R)-THC also inhibits DHEA and DHEA metabolite transcriptional activity in ER β -transfected cells.



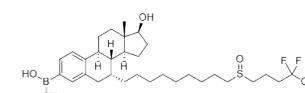
ZB716 - CAS 1853279-29-4

Catalog Number:

Molecular Weight: 634.59

Molecular Formula: C₃₂H₄₈BF₅O₄S

Description: ZB716 is a steroidal and orally bioactive selective estrogen receptor downregulator (SERD) with antiestrogenic activity. In both tamoxifen-naive and tamoxifen-resistant breast cancer cells, ZB716 dose-dependently inhibits cell proliferation and effectively degrades the hormone receptor.



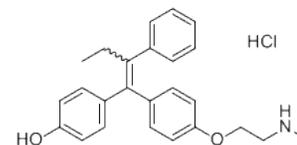
Endoxifen hydrochloride - CAS 1197194-41-4

Catalog Number:

Molecular Weight: 409.95

Molecular Formula: C₂₅H₂₈ClNO₂

Description: Endoxifen hydrochloride is a metabolite of Tamoxifen and a selective estrogen receptor modulator (SERM) that inhibits the growth of estrogen-stimulated BT474 cells (IC₅₀ = 54 nM). Endoxifen is used for the treatment of estrogen receptor (ER) positive breast cancer.



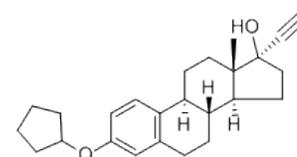
Quinestriol - CAS 152-43-2

Catalog Number: 152-43-2

Molecular Weight: 364.53

Molecular Formula: C₂₅H₃₂O₂

Description: Quinestriol, also called as Estrovis, is an orally active, long-acting, synthetic estrogen that is effective in hormone replacement therapy.



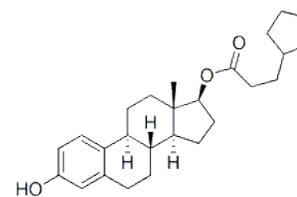
Estradiol Cypionate - CAS 313-06-4

Catalog Number: 313-06-4

Molecular Weight: 396.56

Molecular Formula: C₂₆H₃₆O₃

Description: Estradiol cypionate is the 17 β-cyclopentylpropionate ester of estradiol, which inhibits ET-1 synthesis via estrogen receptor.



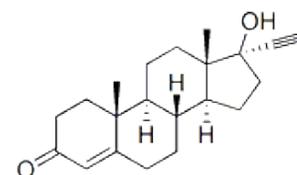
Ethisterone - CAS 434-03-7

Catalog Number: 434-03-7

Molecular Weight: 312.45

Molecular Formula: C₂₁H₂₈O₂

Description: Ethisterone is a progestogen hormone being considered to treat prostate cancer. It was the first orally-active progestin.



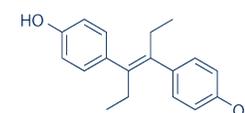
Diethylstilbestrol - CAS 56-53-1

Catalog Number: 56-53-1

Molecular Weight: 268.35

Molecular Formula: C₁₈H₂₀O₂

Description: Diethylstilbestrol, a synthetic nonsteroidal estrogen used in the treatment of menopausal and postmenopausal disorders.



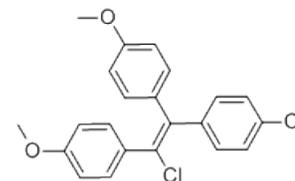
Chlorotrianisene - CAS 569-57-3

Catalog Number: 569-57-3

Molecular Weight: 380.87

Molecular Formula: C₂₃H₂₁ClO₃

Description: Chlorotrianisene is a powerful synthetic, non-steroidal estrogenic compound which is metabolized by liver microsomal enzymes primarily to the mono-O-demethylated derivative. It binds to the estrogen receptor on various estrogen receptor bearing cells. It was used for the treatment of menopause, deficiencies in ovary function, and prostate cancer. It belongs triphenylethylene group. It was derived from estrobin (DBE) and is a relatively weak estrogen. It is a selective estrogen receptor modulator (SERM), with predominantly estrogenic but also antiestrogenic effects, and was arguably the first SERM to ever be introduced. It has been listed.



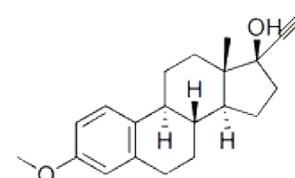
Mestranol - CAS 72-33-3

Catalog Number: 72-33-3

Molecular Weight: 310.43

Molecular Formula: C₂₁H₂₆O₂

Description: Mestranol is the 3-methyl ether of ethinylestradiol. It was the estrogen used in many of the first oral contraceptives.



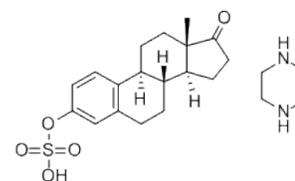
Estropipate - CAS 7280-37-7

Catalog Number: 7280-37-7

Molecular Weight: 436.56

Molecular Formula: C₁₈H₂₂O₅S.C₄H₁₀N₂

Description: Estropipate is an estrogen receptor agonist used in post-menopausal women for hormonal replacement therapy, with benefits to improved cognition and prevention of osteoporosis. Also inhibits organic anion transporting polypeptide 1B1 (OATP1B1) (IC₅₀= 70 nM)



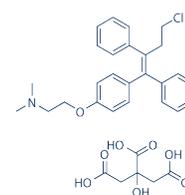
Toremifene citrate - CAS 89778-27-8

Catalog Number:

Molecular Weight: 598.089

Molecular Formula: C₃₂H₃₆ClNO₈

Description: Toremifene citrate is a selective estrogen receptor modulator (SERM) that binds to estrogen receptors to inhibit the estrogen activity.



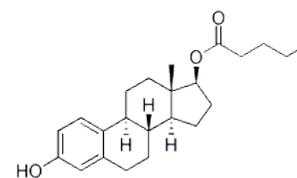
Estradiol valerate - CAS 979-32-8

Catalog Number: 979-32-8

Molecular Weight: 356.506

Molecular Formula: C₂₃H₃₂O₃

Description: Estradiol valerate is a synthetic ester, specifically the 17-pentanoyl ester, of the natural estrogen, 17β-estradiol. It was introduced in the 1950s, and along with estradiol benzoate and estradiol cypionate, has since become one of the most widely used esters of estradiol.



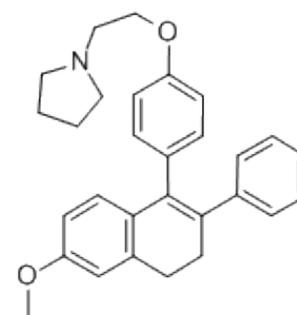
Nafoxidine - CAS 1845-11-0

Catalog Number: 1845-11-0

Molecular Weight: 425.56

Molecular Formula: C₂₉H₃₁NO₂

Description: Nafoxidine, a triphenylethylene nonsteroidal agent, is a partial estrogen antagonist.



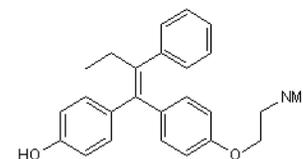
(Z)-4-Hydroxytamoxifen - CAS 68047-06-3

Catalog Number:

Molecular Weight: 387.51

Molecular Formula: C₂₆H₂₉NO₂

Description: (Z)-4-Hydroxytamoxifen is a metabolite of Tamoxifen and acts as an estrogen receptor antagonist. It exhibits more than 100-fold affinity over Tamoxifen. (Z)-4-Hydroxytamoxifen also activates intein-linked inactive Cas9, reducing off-target CRISPR-mediated gene editing.



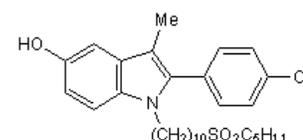
ZK 164015 - CAS 177583-70-9

Catalog Number:

Molecular Weight: 513.73

Molecular Formula: C₃₀H₄₃NO₄S

Description: ZK 164015 is a potent estrogen receptor (ER) silent antagonist. ZK 164015 inhibits 17β-estradiol stimulation of luciferase activity (IC₅₀ = 0.025 μM), and inhibits the growth of estrogen-sensitive human MCF-7 breast cancer cells in vitro (IC₅₀ ~ 1 nM).



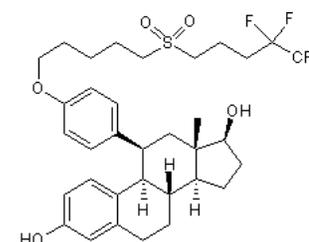
RU 58668 - CAS 151555-47-4

Catalog Number:

Molecular Weight: 658.76

Molecular Formula: C₃₄H₄₃F₅O₅S

Description: RU 58668 is a pure antiestrogen that downregulates estrogen receptor expression (IC₅₀ = 0.04 nM). It has been shown to display potent antiproliferative activity in vitro (IC₅₀ = 0.035-0.09 nM in MCF-7 cells).



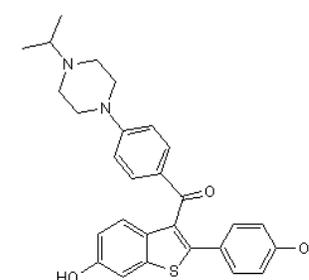
Y 134 - CAS 849662-80-2

Catalog Number:

Molecular Weight: 472.6

Molecular Formula: C₂₈H₂₈N₂O₃S

Description: Y 134 is a selective estrogen receptor modulator (SERM) with selectivity for ER α over ER β (K_i = 0.09 and 11.31 nM, respectively). It has no cross-reactivity with mineralocorticoid, glucocorticoid, androgen and progesterone receptors. Y 134 suppresses estrogen-stimulated proliferation of ER-positive human breast cancer MCF-7 and T47D cells.



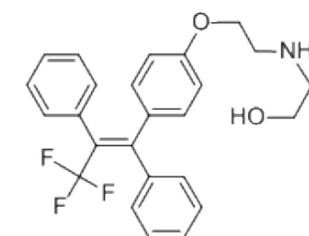
Panomifene - CAS 77599-17-8

Catalog Number: 77599-17-8

Molecular Weight: 427.46

Molecular Formula: C₂₅H₂₄F₃NO₂

Description: Panomifene is an Estrogen receptor antagonist under the development of Egis Pharmaceuticals. Phase II clinical trials for the treatment of breast cancer was discontinued.



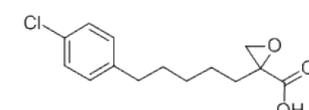
Clomoxir - CAS 88431-47-4

Catalog Number:

Molecular Weight: 268.737

Molecular Formula: C₁₄H₁₇ClO₃

Description: Clomoxir is a carnitine O-palmitoyltransferase inhibitor.



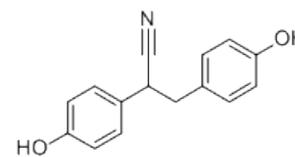
Diarylpropionitrile - CAS 1428-67-7

Catalog Number: 1428-67-7

Molecular Weight: 239.27

Molecular Formula: C₁₅H₁₃NO₂

Description: Diarylpropionitrile, also called as DPN, is a selective agonist of estrogen receptor β (ER β) with a 70-fold higher relative binding affinity for ER β (18%) versus ER (0.25%). ER β : EC₅₀ = 0.85 nM; ER α : EC₅₀ = 66 nM



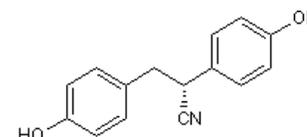
(R)-DPN - CAS 524047-78-7

Catalog Number:

Molecular Weight: 239.27

Molecular Formula: C₁₅H₁₃NO₂

Description: (R)-DPN has been found to be an estrogen receptor (ER) β agonist with higher affinity for estrogen receptor.



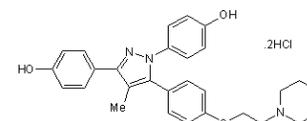
MPP dihydrochloride - CAS 911295-24-4

Catalog Number:

Molecular Weight: 542.5

Molecular Formula: C₂₉H₃₁N₃O₃·2HCl

Description: MPP dihydrochloride is a selective, high affinity silent antagonist at ER α receptors, with > 200-fold selectivity for ER α over ER β (K_i = 2.7 and 1800 nM at ER α and ER β receptors respectively). It cannot block EE2 induced luciferase activity with any isoform of zebrafish estrogen receptor.



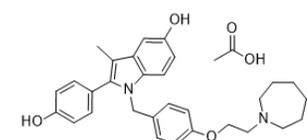
Bazedoxifene acetate - CAS 198481-33-3

Catalog Number: 198481-33-3

Molecular Weight: 530.66

Molecular Formula: C₃₂H₃₈N₂O₅

Description: Bazedoxifene acetate, also called as TSE424 or WAY-140424, with antiosteoporotic it is a selective nonsteroidal estrogen receptor modulator (SERM) (ER α : IC₅₀ = 26 nM; ER β = 99 nM).



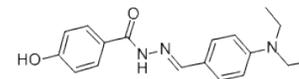
DY131 - CAS 95167-41-2

Catalog Number:

Molecular Weight: 311.38

Molecular Formula: C₁₈H₂₁N₃O₂

Description: DY131 is a novel selective agonist of ERR β and ERR γ , which displays minimal activity at ERR α , ER α and ER β at concentrations up to 30 μ M. It could potentiate the ERR γ -induced growth inhibition in DU145- ERR γ and LNCaP- ERR γ prostate cancer cells in a dose-dependent manner. It inhibited the growth of the ER α -positive endometrial cancer cells but promoted that of the ER α -negative cancer cells. It had no effect on the structurally related receptors ERR α or the estrogen receptors alpha and beta (ERalpha/beta). It appears to inhibit Smo signaling through a common binding site shared by previously reported Smo agonists and antagonists. It has been demonstrated an antiproliferative/tumor-suppressing function for ERR γ in prostate cancer.



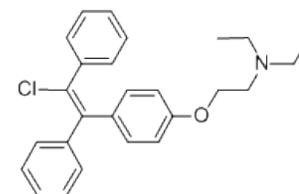
trans-Clomiphene - CAS 15690-57-0

Catalog Number: 15690-57-0

Molecular Weight: 405.96

Molecular Formula: C₂₆H₂₈ClNO

Description: Trans-Clomiphene, a stilbenes derivative, has been found to be an estrogen receptor antagonist as well as testosterone agonist. It has been developed for hypogonadism by Reptos Therapeutics.



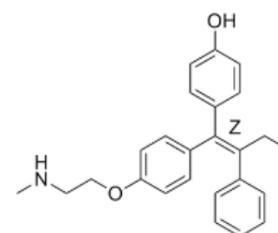
Endoxifen - CAS 112093-28-4

Catalog Number: 112093-28-4

Molecular Weight: 373.49

Molecular Formula: C₂₅H₂₇NO₂

Description: Endoxifen, a significant metabolite of Tamoxifen, is a regulator of estrogen receptor and could be effective in the treatment of estrogen-dependent breast cancer. IC₅₀: 1.6 μ M.



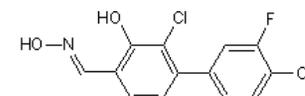
FERb 033 - CAS 1111084-78-6

Catalog Number:

Molecular Weight: 281.67

Molecular Formula: C₁₃H₉ClFNO₃

Description: FERb 033 is a potent and selective ER β receptor agonist (K_i = 7.1 nM, EC₅₀ = 4.8 nM) with 62-fold selectivity for ER β over ER α .



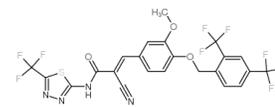
XCT 790 - CAS 725247-18-7

Catalog Number: 725247-18-7

Molecular Weight: 596.42

Molecular Formula: C₂₃H₁₃F₉N₄O₃S

Description: XCT-790 is a potent, selective ERR α antagonist/inverse agonist (IC₅₀ = ~400 nM), displaying no antagonist activity at ERR γ or ER α at concentrations below 10 μ M.



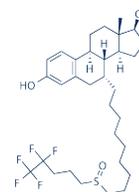
Fulvestrant - CAS 129453-61-8

Catalog Number: 129453-61-8

Molecular Weight: 606.77

Molecular Formula: C₃₂H₄₇F₅O₃S

Description: Fulvestrant is an effective inhibitor of the growth of ER-positive MCF-7 (with IC₅₀ of 0.29 nM) but with no effect on the growth of ER-negative BT-20 human breast cancer cells.



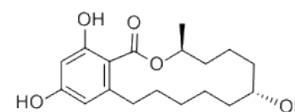
α -Zearalanol - CAS 26538-44-3

Catalog Number: 26538-44-3

Molecular Weight: 322.40

Molecular Formula: C₁₈H₂₆O₅

Description: α -Zearalanol, derived from fungi in the Fusarium family, is a non-steroidal estrogen agonist that increases cancer cell proliferation in already existing breast cancer.



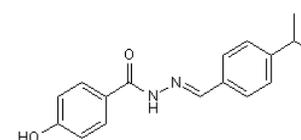
GSK 4716 - CAS 101574-65-6

Catalog Number:

Molecular Weight: 282.34

Molecular Formula: C₁₇H₁₈N₂O₂

Description: GSK 4716 is a selective agonist of estrogen-related receptors ERR β and ERR γ displaying selectivity over ERR α and the classical estrogen receptors. Activation of GSK 4716 regulates mitochondrial activity in skeletal muscle during exercise.



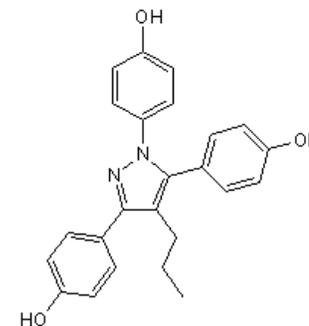
PPT - CAS 263717-53-9

Catalog Number:

Molecular Weight: 386.45

Molecular Formula: C₂₄H₂₂N₂O₃

Description: PPT, also known as Propyl pyrazole triol, is an ER α selective agonist with a 410-fold relative binding affinity for ER α (49%) versus ER β (0.12%) and therefore activates gene transcription only through ER α . PPT significantly decreased infarct size in an in vivo rabbit model of ischemia-reperfusion injury. PPT also exerts anti-diabetic effects in mouse models.



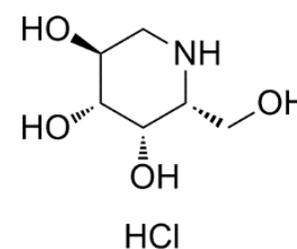
WAY-200070 - CAS 440122-66-7

Catalog Number:

Molecular Weight: 306.11

Molecular Formula: C₁₃H₈BrNO₃

Description: WAY-200070 is a selective estrogen receptor β (ERR β) agonist (IC₅₀= 2.3 nM) that exhibit 68-fold selectivity over ER α (EC₅₀= 155 nM for ER α).



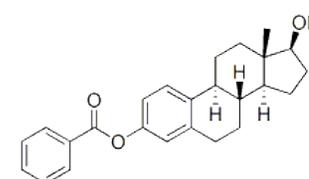
Estradiol Benzoate - CAS 50-50-0

Catalog Number: 50-50-0

Molecular Weight: 376.49

Molecular Formula: C₂₅H₂₈O₃

Description: Estradiol benzoate is an estradiol analog which binds to the human, murine and chicken ER α with IC₅₀ of 22-28 nM.



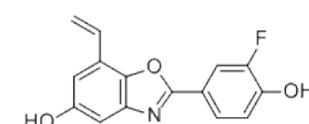
ERB-041 - CAS 524684-52-4

Catalog Number: 524684-52-4

Molecular Weight: 271.24

Molecular Formula: C₁₅H₁₀FNO₃

Description: ERB 041 is a highly selective agonist of the ER β subtype of the estrogen receptor, displays >200-fold selectivity for ER β over ER α .



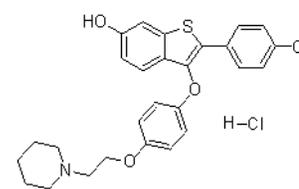
Arzoxifene - CAS 182133-25-1

Catalog Number: 182133-25-1

Molecular Weight: 475.60

Molecular Formula: C₂₈H₂₉NO₄S

Description: Arzoxifene, also known as LY353381, a synthetic aromatic derivative with anti-estrogenic properties, displays greater bioavailability and higher anti-estrogenic potency in the breast than another selective estrogen receptor modulators (SERMs), raloxifene.



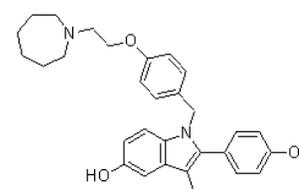
Bazedoxifene - CAS 198481-32-2

Catalog Number: 198481-32-2

Molecular Weight: 470.613

Molecular Formula: C₃₀H₃₄N₂O₃

Description: Bazedoxifene is a selective estrogen receptor modulator (SERM) currently in development for osteoporosis prevention and treatment.



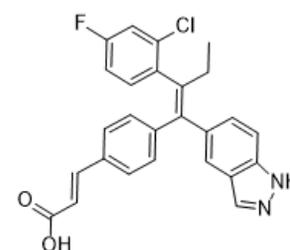
GDC-0810 (ARN-810) - CAS 1365888-06-7

Catalog Number: 1365888-06-7

Molecular Weight: 446.91

Molecular Formula: C₂₆H₂₀ClFN₂O₂

Description: GDC-0810, also known as ARN-810 and RG6046, an orally bioavailable Selective Estrogen Receptor Degrader (SERD) that demonstrates robust activity in tamoxifen-resistant breast cancer xenografts.



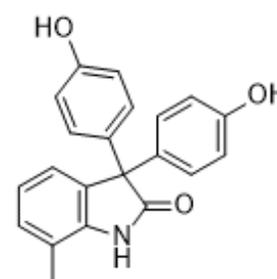
BHPI - CAS 56632-39-4

Catalog Number: 56632-39-4

Molecular Weight: 331.4

Molecular Formula: C₂₁H₁₇NO₃

Description: BHPI is an antagonist of estrogen receptor α (ER α), for it elicits sustained ER α -dependent activation of the endoplasmic reticulum (EnR) stress sensor.



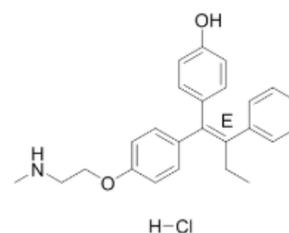
Endoxifen E-isomer hydrochloride - CAS 1197194-61-8

Catalog Number: 1197194-61-8

Molecular Weight: 409.95

Molecular Formula: C₂₅H₂₈ClNO₂

Description: The hydrochloride salt form of E-isomer of Endoxifen which is a significant metamolite of Tamoxifen, could be a regulator of estrogen receptor and could be effective in the treatment of estrogen-dependent breast cancer.



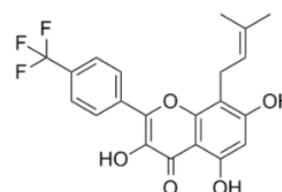
SNG-1153 - CAS 1446712-19-1

Catalog Number: 1446712-19-1

Molecular Weight: 406.35

Molecular Formula: C₂₁H₁₇F₃O₅

Description: SNG-1153, derived from icaritin which is purified from Epimedium Genus, modulates ER- α 36 and induces β -catenin phosphorylation and then down-regulates β -catenin, a crucial component of the WNT pathway, which plays a key role in cancer stem cells. In vitro



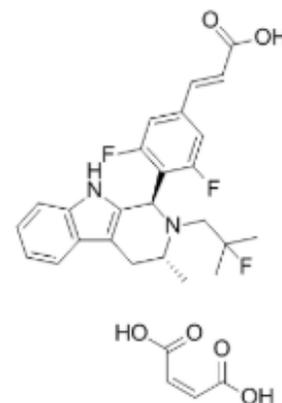
AZD9496 maleate - CAS 1639042-28-6

Catalog Number: 1639042-28-6

Molecular Weight: 558.55

Molecular Formula: C₂₉H₂₉F₃N₂O₆

Description: AZD9496 maleate is potent downregulator of estrogen receptor in breast carcinoma cells and also antagonise ER α with good oral pharmacokinetic properties. It is in collaboration with parexel initiates enrolment in a phase I trial in health volunteers in US



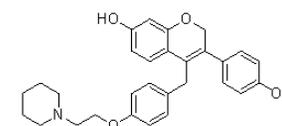
CHF-4227 - CAS 444643-64-5

Catalog Number: 444643-64-5

Molecular Weight: 471.59

Molecular Formula: C₃₀H₃₃NO₄

Description: CHF-4227 is a selective estrogen receptor modulator, binds with high affinity to the human estrogen receptor-alpha and -beta (dissociation constant K(i) = 0.017 and 0.099 nM, respectively).



Phenethipylone - CAS 63676-25-5

Catalog Number: 63676-25-5

Molecular Weight: 459.56

Molecular Formula: C₂₇H₂₅NO₄S

Description: Phenethipylone is a selective estrogen receptor modulator. It is a raloxifene analog.

