



Product Information

Estrogen receptor inhibitor Drospirenone, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ631

Size: 10 mg; 50 mg; 100 mg; 200 mg

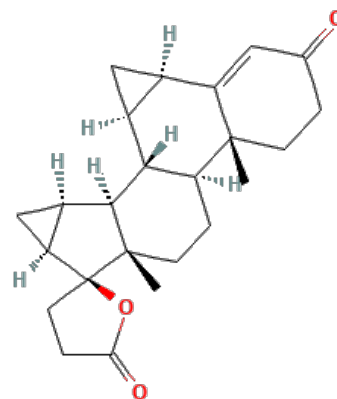
MDL: MFCD00867350

CAS Number: 67392-87-4

Compound CID: 68873

Synonym: 67392-87-4; Estrogen receptor inhibitor; 1,2-dihydrospirorenone;
Dihydrospirorenone

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Drospirenone, soluble in DMSO and ethanol and insoluble in water, prevents the growth of cancer cells that depend on estrogen for proliferation. It targets progesterone receptor.
Molecular Weight	366.49
Molecular Formula	C ₂₄ H ₃₀ O ₃
Targets	Progesterone receptor
IUPAC Name	(1R,2R,4R,10R,11S,14S,15S,16S,18S,19S)-10,14-dimethylspiro[hexacyclo[9.8.0.02,4.05,10.014,19.016,18]nonadec-5-ene-15,5'-oxolane]-2',7'-dione
InChI	InChI=1S/C24H30O3/c1-22-6-3-12(25)9-17(22)13-10-14(13)20-16(22)4-7-23(2)21(20)15-11-18(15)24(23)8-5-19(26)27-24/h9,13-16,18,20-21H,3-8,10-11H2,1-2H3/t13-,14+,15-,16+,18+,20-,21+,22-,23+,24+/m1/s1
InChI Key	METQSPRSQINEEU-HXCATZOESA-N
Canonical SMILES	CC12CCC(=O)C=C1C3CC3C4C2CCC5(C4C6CC6C57CCC(=O)O7)C
Isomeric SMILES	C[C@]12CCC(=O)C=C1[C@@H]3C[C@@H]3[C@@H]4[C@@H]2CC[C@]5([C@H]4[C@@H]6C[C@@H]6[C@@]57CCC(=O)O7)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 67 mg/mL (182.81 mM); Water: Insoluble; Ethanol: 10 mg/mL (27.28 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Quality Level	Research grade
Applications	Drospirenone is used as an estrogen receptor inhibitor, aiding in contraceptive and hormone therapy studies.
Storage	Store at -20°C, and keep desiccated.
