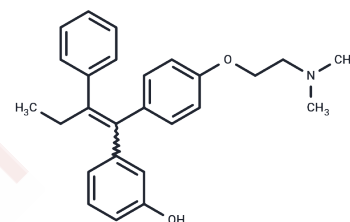


(E/Z)-Droloxifene

Chemical Properties

CAS No. : 165813-01-4
 Formula: C₂₆H₂₉NO₂
 Molecular Weight: 387.51
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	(E/Z)-Droloxifene is a mixture comprising (E)-Droloxifene, known as a selective estrogen receptor modulator, and (Z)-Droloxifene. (E)-Droloxifene binds to estrogen receptors (ER) in rabbit uterine homogenate with an IC ₅₀ of 24 nM. It increases uterine weight in immature rats and reduces the uterine weight increase caused by estradiol in juvenile rats. Additionally, (E)-Droloxifene inhibits the growth of human breast cancer cells MCF-7, ZR-75-1, and T47D stimulated by 17β-estradiol. In contrast, (Z)-Droloxifene shows weak binding to ER and exhibits neither estrogenic nor anti-estrogenic activity.
Targets(IC ₅₀)	Apoptosis, Estrogen Receptor/ERR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5806 mL	12.9029 mL	25.8058 mL
5 mM	0.5161 mL	2.5806 mL	5.1612 mL
10 mM	0.2581 mL	1.2903 mL	2.5806 mL
50 mM	0.0516 mL	0.2581 mL	0.5161 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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