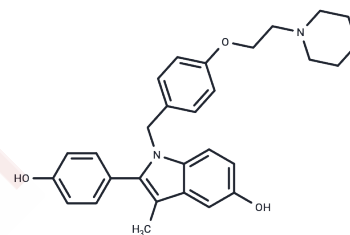


Pipendoxifene

Chemical Properties

CAS No. :	198480-55-6
Formula:	C ₂₉ H ₃₂ N ₂ O ₃
Molecular Weight:	456.58
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	Pipendoxifene, also known as ERA-923, is a new antiestrogen with potential anticancer activity. ERA-923 potently inhibits estrogen binding to ER-alpha (IC ₅₀ = 14 nM). In ER-alpha-positive human MCF-7 breast carcinoma cells, ERA-923 inhibits estrogen-stimulated growth (IC ₅₀ = 0.2 nM) associated with cytostasis. In vitro, a MCF-7 variant with inherent resistance to tamoxifen (10-fold) or 4-OH tamoxifen (>1000-fold) retains complete sensitivity to ERA-923. In preclinical models, ERA-923 has an improved efficacy and safety compared with tamoxifen. In the combination with temsirolimus, ERA-923 showed excellent anticancer activity in preclinical models.
Targets(IC ₅₀)	Estrogen Receptor/ERR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1902 mL	10.951 mL	21.902 mL
5 mM	0.438 mL	2.1902 mL	4.3804 mL
10 mM	0.219 mL	1.0951 mL	2.1902 mL
50 mM	0.0438 mL	0.219 mL	0.438 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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