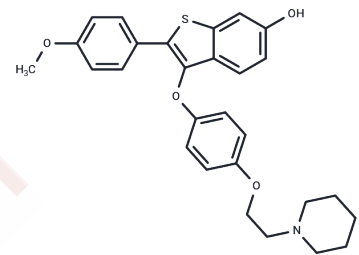


## Arzoxifene

## Chemical Properties

CAS No. :	182133-25-1
Formula:	C <sub>28</sub> H <sub>29</sub> N <sub>1</sub> O <sub>4</sub> S
Molecular Weight:	475.6
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	Arzoxifene (LY353381) is an orally active selective estrogen receptor modulator (SERM) with a fixed ring structure similar to raloxifene. It exhibits potent antiestrogenic effects on breast cancer and endometrium with minimal side effects and provides beneficial estrogenic effects on bone health and lipid profile.
Targets(IC50)	Estrogen Receptor/ERR,Others
In vitro	Arzoxifene decreases the expression of estrogen receptors in endometrial cancer cell lines (ECC-1)[1].
In vivo	Arzoxifene effectively suppresses the growth of MCF-7 breast cancer xenografts in oophorectomized athymic mice and has been documented to halt body weight gain in oophorectomized rats [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1026 mL	10.513 mL	21.0261 mL
5 mM	0.4205 mL	2.1026 mL	4.2052 mL
10 mM	0.2103 mL	1.0513 mL	2.1026 mL
50 mM	0.0421 mL	0.2103 mL	0.4205 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.

## Reference

Jackson LR, et al. Arzoxifene: the evidence for its development in the management of breast cancer. Core Evid. 2008;2(4):251-258.

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