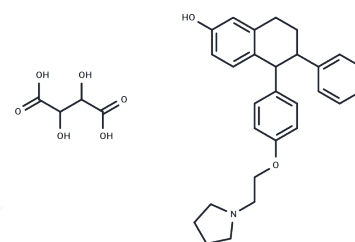


Lasofloxifene Tartrate

Chemical Properties

CAS No. :	190791-29-8
Formula:	C32H37NO8
Molecular Weight:	563.64
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lasofloxifene Tartrate (CP-336156) is a third-generation, non-steroidal selective estrogen receptor modulator.
Targets(IC50)	Estrogen Receptor/ERR
In vivo	Lasofloxifene (LAS) and BZA reduced the clinical severity of arthritis as well as the grade of histologic synovitis and erosions on cartilage and bone. Moreover, SERMs protected against generalised bone loss in CIA by increasing trabecular BMD. Both SERMs decreased serum marker of cartilage destruction and LAS reduced serum IL-6 levels. SERMs did not alter Th17 cells in lymph nodes as E2 did[1].
Animal Research	Female DBA/1 mice were ovariectomised and subjected to CIA as a model of post-menopausal RA. Mice received treatment with Lasofloxifene (LAS), BZA, 17β-estradiol (E2) as reference or vehicle. Arthritis development was assessed and BMD was determined by peripheral quantitative CT of the femurs. Serologic markers of inflammation and cartilage destruction were analysed. Immune cells in lymph nodes were studied by flow cytometry[1].

Solubility Information

Solubility	DMSO: 6 mg/mL (10.65 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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A DRUG SCREENING EXPERT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7742 mL	8.8709 mL	17.7418 mL
5 mM	0.3548 mL	1.7742 mL	3.5484 mL
10 mM	0.1774 mL	0.8871 mL	1.7742 mL
50 mM	0.0355 mL	0.1774 mL	0.3548 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.

Reference

Andersson A , Bernardi A I , Stubelius A , et al. Selective oestrogen receptor modulators lasofoxifene and bazedoxifene inhibit joint inflammation and osteoporosis in ovariectomised mice with collagen-induced arthritis

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