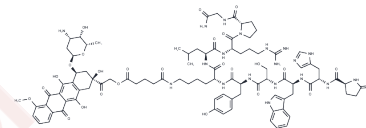


## Zoptarelin doxorubicin

## Chemical Properties

CAS No. :	139570-93-7
Formula:	C91H117N19O26
Molecular Weight:	1893.01
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Zoptarelin doxorubicin, also known as AEZS-108, is an LHRH agonist. Zoptarelin doxorubicin is a peptide agonist of the gonadotropin releasing hormone-1 receptor (GnRH-1R) that is conjugated to the anthracycline antibiotic doxorubicin with potential antineoplastic activity. Zoptarelin doxorubicin binds to GnRH-1Rs, which may be highly expressed on endometrial and ovarian tumor cell membrane surfaces, and is internalized. Once inside the cell, the doxorubicin moiety of this agent intercalates into DNA and inhibits the topoisomerase II activity, which may result in the inhibition of tumor cell DNA replication and tumor cell proliferation
Targets(IC50)	GNRH Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5283 mL	2.6413 mL	5.2826 mL
5 mM	0.1057 mL	0.5283 mL	1.0565 mL
10 mM	0.0528 mL	0.2641 mL	0.5283 mL
50 mM	0.0106 mL	0.0528 mL	0.1057 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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