Zoptarelin doxorubicin

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®

Cat. No.:	HY-16532
CAS No.:	139570-93-7
Molecular Formula:	C ₉₁ H ₁₁₇ N ₁₉ O ₂₆
Molecular Weight:	1893.01
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIV		
Description	Zoptarelin doxorubicin (AEZ doxorubicin has been used to progression and induces rem	S-108; AN-152) is a hybrid anticancer agent, containing Zoptarelin and Doxorubicin. Zoptarelin o research targeting tumors expressing LHRH receptors. Zoptarelin doxorubicin abolishes tumor narkable apoptosis in vitro ^[1] .
IC ₅₀ & Target	Apoptosis, LHRH receptors ^{[1}	1
In Vitro	Zoptarelin doxorubicin (AN- causes a greater increase in a Zoptarelin doxorubicin (AN- the primordial, neuroectode MCE has not independently o Cell Proliferation Assay ^[1]	152) inhibits almost 70 % of glioblastoma cell growth, increases almost 250% apoptosis and calcein retention ^[1] . 152) up-regulates the tumor suppressor and pro-apoptotic p53, and inhibits the expression of rmal stem cell marker, nestin ^[1] . confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	U-87 MG
	Concentration:	100 nM
	Incubation Time:	48 h
	Result:	Brought about an almost 70 % inhibition of tumor cell growth.
	Apoptosis Analysis ^[1]	
	Cell Line:	U-87 MG
	Concentration:	100 nM
	Incubation Time:	48 h
	Result:	Increased almost 250 % apoptosis.
	Western Blot Analysis ^[1]	
	Cell Line:	U-87 MG

	Concentration:	100 nM
	Incubation Time:	24 h
	Result:	Did not induce any down-regulation of LHRH-R. Inhibited the expression of the primordial, neuroectodermal stem cell marker, nestin. Up-regulated the tumor suppressor and pro-apoptotic p53.
vo	Zoptarelin doxorubicin MCE has not independe	(AN-152) inhibits tumor growth in glioblastoma xenograft mice ^[1] . ntly confirmed the accuracy of these methods. They are for reference only.
vo	Zoptarelin doxorubicin MCE has not independe Animal Model:	(AN-152) inhibits tumor growth in glioblastoma xenograft mice ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Female nude mice (injected in the flanks with 1×10 ⁶ glioblastoma U-87 MG cells) ^[1]
vo	Zoptarelin doxorubicin MCE has not independe Animal Model: Dosage:	(AN-152) inhibits tumor growth in glioblastoma xenograft mice ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Female nude mice (injected in the flanks with 1×10 ⁶ glioblastoma U-87 MG cells) ^[1] 413 nM/20g
vo	Zoptarelin doxorubicin MCE has not independe Animal Model: Dosage: Administration:	 (AN-152) inhibits tumor growth in glioblastoma xenograft mice^[1]. ntly confirmed the accuracy of these methods. They are for reference only. Female nude mice (injected in the flanks with 1×10⁶ glioblastoma U-87 MG cells)^[1] 413 nM/20g i.v.; once weekly; for 6 weeks

REFERENCES

[1]. Jaszberenyi M, et al. Inhibition of U-87 MG glioblastoma by AN-152 (AEZS-108), a targeted cytotoxic analog of luteinizing hormone-releasing hormone. Oncotarget. 2013 Mar;4(3):422-32.

Caution: Product has not been fully validated for medical applications. For research use only.

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