Estrogen receptor modulator 1

Cat. No.:	HY-110201		
CAS No.:	63676-22-2		
Molecular Formula:	$C_{14}H_{10}O_{2}S$		
Molecular Weight:	242.29		
Target:	Estrogen Receptor/ERR		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

SOLVENT & SOLUBILITY

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1273 mL	20.6364 mL	41.2729 mL
	5 mM	0.8255 mL	4.1273 mL	8.2546 mL
	10 mM	0.4127 mL	2.0636 mL	4.1273 mL

DIOLOGICALACITY			
Description	Estrogen receptor modulator 1 (compound 18) is an orally active and selective estrogen receptor modulator (SERM), with a pIC ₅₀ of 0.46. Estrogen receptor modulator 1 induces regression of Tamoxifen-resistant, hormone independent xenograft tumors ^{[1][2]} .		
In Vitro	Estrogen receptor modul formation ^[2] . Estrogen receptor modul these cells 6 days ^[2] . MCE has not independen Cell Proliferation Assay ^[2]	ator 1 (compound 18) (100 nM; 10 days) inhibits T47D:A18/PKCα and T47D:A18-TAM1 colony ator 1 (100 nM; 9 days) significantly inhibits the growth of MCF-7:5C cell, and induces apoptosis in tly confirmed the accuracy of these methods. They are for reference only.	
	Cell Line:	T47D:A18/PKCα and T47D:A18-TAM1 cells	
	Concentration:	100 nM	
	Incubation Time:	10 days	



Product Data Sheet

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	Result:	Inhibit T47D:A18/PKCα and T47D:A18-TAM1 colony formation.
	Cell Viability Assay ^[2]	
	Cell Line:	MCF-7:5C cells
	Concentration:	100 nM
	Incubation Time:	9 days
	Result:	Significantly inhibited the growth of MCF-7:5C cells.
livo	Estrogen receptor mod MCE has not independe	ulator 1 (1.5 mg/animal; p.o. ; daily for 2 weeks) results in regression of T47D:A18/PKCα tumors ^[2] . ently confirmed the accuracy of these methods. They are for reference only.
	Animal Model:	4-6 week old athymic mice (Harlan-Sprague-Dawley) ^[2]
	Dosage:	1.5 mg/animal
		n o · daily for 2 weeks
	Administration:	p.o., daily for 2 weeks

REFERENCES

[1]. Brogi S, et al. 3D-QSAR using pharmacophore-based alignment and virtual screening for discovery of novel MCF-7 cell line inhibitors. Eur J Med Chem. 2013 Sep;67:344-51.

[2]. Molloy ME, et al. Novel selective estrogen mimics for the treatment of tamoxifen-resistant breast cancer. Mol Cancer Ther. 2014 Nov;13(11):2515-26.

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

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