Yp537

Cat. No.:	HY-P3833
CAS No.:	166664-90-0
Molecular Formula:	$C_{64}H_{104}N_{13}O_{22}PS$
Molecular Weight:	1470.62
Sequence Shortening:	CNVVPL-Tyr(PO3H2)-DLLLE
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Yp537 is an estrogen receptor (ER) inhibitor that blocks dimerization of the human estrogen receptor[1].
In Vitro	Yp537 (5-50 μM; 1 h) abolishes the formation of the hER-ERE complex. And dose not inhibit the formation of the STAT1-serum-induced element complex[1]. Yp537 binds to a SH2-like domain, and interferes with the SH2-like phosphopeptide coupling mechanism between hER monomers[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Arnold SF, et al. An antiestrogen: a phosphotyrosyl peptide that blocks dimerization of the human estrogen receptor. Proc Natl Acad Sci U S A. 1995 Aug 1;92(16):7475-9.

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