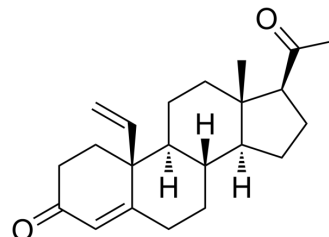


Org OD 02-0

Cat. No.:	HY-131547
CAS No.:	13258-85-0
Molecular Formula:	C ₂₂ H ₃₀ O ₂
Molecular Weight:	326.47
Target:	Progesterone Receptor; p38 MAPK
Pathway:	Vitamin D Related/Nuclear Receptor; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Org OD 02-0 (10-Ethenyl-19-norprogesterone) is a membrane progesterone receptor α (mPR α)-specific agonist (IC ₅₀ : 33.9 nM). Org OD 02-0 activates MAPK activity. Org OD 02-0 inhibits prolactin (PRL) secretion in the pituitary ^{[1][2]} .
IC ₅₀ & Target	33.9 nM (mPR α) ^[1]

REFERENCES

[1]. Kelder J, et al. Comparison between steroid binding to membrane progesterone receptor alpha (mPRalpha) and to nuclear progesterone receptor: correlation with physicochemical properties assessed by comparative molecular field analysis and identification of mPRalpha-specific agonists. *Steroids*. 2010 Apr;75(4-5):314-22.

[2]. Camilletti MA, et al. Participation of membrane progesterone receptor α in the inhibitory effect of progesterone on prolactin secretion. *J Neuroendocrinol*. 2018 Sep;30(9):e12614.

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

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