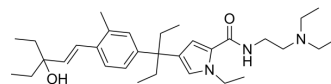


VDR agonist 1

Cat. No.:	HY-114310
CAS No.:	2269494-43-9
Molecular Formula:	C ₃₂ H ₅₁ N ₃ O ₂
Molecular Weight:	509.77
Target:	VD/VDR; Apoptosis
Pathway:	Vitamin D Related/Nuclear Receptor; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VDR agonist 1 (compound 28) is a nonsteroidal Vitamin D receptor (VDR) agonist, with an IC ₅₀ of 690 nM in MCF-7 cells. VDR agonist 1 arrests the cell cycle through the up-regulation of p21 and p27, promotes apoptosis by increasing the expression of BAX and decrease the expression of Bcl-2 ^[1] .
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IC₅₀ & Target	IC ₅₀ : 690 nM (VDR in MCF-7 cells) ^[1] .
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REFERENCES

[1]. Wang C, et al. Discovery of novel nonsteroidal VDR agonists with novel diarylmethane skeleton for the treatment of breast cancer. Eur J Med Chem. 2019 Feb 1;163:787-803.

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

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