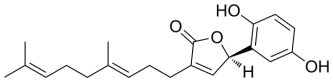
Ganomycin I

Cat. No.:	HY-N10076
CAS No.:	1191255-15-8
Molecular Formula:	$C_{21}H_{26}O_4$
Molecular Weight:	342.43
Target:	HMG-CoA Reductase (HMGCR); Glucosidase; HIV Protease
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ganomycin I is a dual inhibitor of α-Glucosidase and HMG-CoA reductase. Ganomycin I can also inhibits HIV protease. Ganomycin I exhibits anti-diabetic and anti-osteoclastogenesis effects[1][2].

REFERENCES

[1]. Tran PT, et, al. Ganomycin I from Ganoderma lucidum attenuates RANKL-mediated osteoclastogenesis by inhibiting MAPKs and NFATc1. Phytomedicine. 2019 Mar 1;55:1-8.

[2]. Wang K, et, al. Structural Modification of Natural Product Ganomycin I Leading to Discovery of a α-Glucosidase and HMG-CoA Reductase Dual Inhibitor Improving Obesity and Metabolic Dysfunction in Vivo. J Med Chem. 2018 Apr 26;61(8):3609-3625.

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