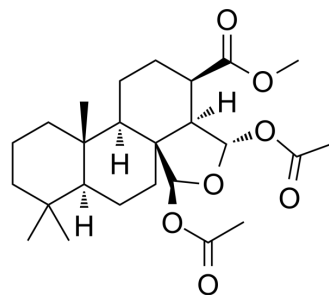


Spongionellol A analog 1

Cat. No.:	HY-N10492
Molecular Formula:	C ₂₅ H ₃₈ O ₇
Molecular Weight:	450.57
Target:	P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Spongionellol A analog 1, an analog of Spongionellol A (HY-10491), is a MDR1 (p-glycoprotein) inhibitor. Spongionellol A analog 1 has high cytotoxic activity and selectivity in prostate cancer cells by inducing caspase-dependent apoptosis. Spongionellol A analog 1 can be used in the research of cancers, such as prostate cancer ^[1] .
IC ₅₀ & Target	MDR1 ^[1]

REFERENCES

[1]. Sergey A Dyshlovoy, et al. New diterpenes from the marine sponge *Spongionella* sp. overcome drug resistance in prostate cancer by inhibition of P-glycoprotein. *Sci Rep.* 2022 Aug 9;12(1):13570.

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

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