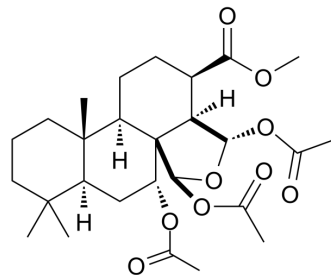


## Spongionellol A

Cat. No.:	HY-N10491
Molecular Formula:	C <sub>27</sub> H <sub>40</sub> O <sub>9</sub>
Molecular Weight:	508.6
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 is a MDR1 (p-glycoprotein) inhibitor. Spongionellol A has high cytotoxic activity and selectivity in prostate cancer cells by inducing caspase-dependent apoptosis. Spongionellol A can be used in the research of cancers, such as prostate cancer <sup>[1]</sup> .
IC <sub>50</sub> & Target	MDR1 <sup>[1]</sup>

### 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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