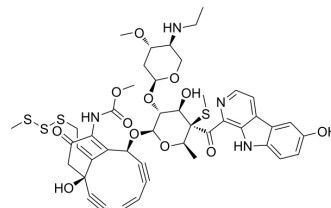


Shishijimicin C

Cat. No.:	HY-N10539
CAS No.:	503860-52-4
Molecular Formula:	C ₄₅ H ₅₀ N ₄ O ₁₂ S ₄
Molecular Weight:	967.16
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Shishijimicin C is a novel antitumor agent found from the Ascidian Didemnum proliferum. Shishijimicin C shows anti-tumor activity with highly potent cytotoxicities ^[1] . Shishijimicin C is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.	
In Vitro	Shishijimicin C (compound 3) (1.7-6.3 pg/mL) shows high cytotoxicity for 3Y1, Hela and P388 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Cytotoxicity Assay ^[1]	
	Cell Line:	3Y1, Hela and P388 cells
	Concentration:	1.7-6.3 pg/mL
	Incubation Time:	
	Result:	Showed IC ₅₀ values of 4.8, 6.3, and 1.7 pg/mL for 3Y1, Hela and P388 cells, respectively.

REFERENCES

[1]. Naoya Oku, et al. Shishijimicins A-C, novel enediyne antitumor antibiotics from the ascidian Didemnum proliferum(1). J Am Chem Soc. 2003 Feb 26;125(8):2044-5.

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

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