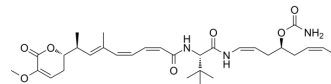


Plocabulin

Cat. No.:	HY-19922
CAS No.:	960210-99-5
Molecular Formula:	C ₃₁ H ₄₅ N ₃ O ₇
Molecular Weight:	571.7
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Plocabulin (PM060184) is a potent microtubule inhibitor. Plocabulin is a natural product that could be isolated from the marine sponge *Lithoplocamia lithistoides*. Plocabulin suppresses microtubule shortening and growth. Plocabulin has anticancer activity^{[1][2]}.

REFERENCES

- [1]. Martínez-Díez M, et, al. PM060184, a new tubulin binding agent with potent antitumor activity including P-glycoprotein over-expressing tumors. *Biochem Pharmacol.* 2014 Apr 1;88(3):291-302.
- [2]. Costales-Carrera A, et, al. Plocabulin Displays Strong Cytotoxic Activity in a Personalized Colon Cancer Patient-Derived 3D Organoid Assay. *Mar Drugs.* 2019 Nov 19;17(11):648.

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

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