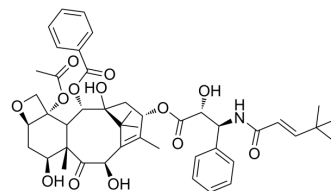


## Microtubule stabilizing agent-1

Cat. No.:	HY-155647
Molecular Formula:	C <sub>45</sub> H <sub>55</sub> NO <sub>13</sub>
Molecular Weight:	817.92
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

Microtubule stabilizing agent-1 (compound 3l) is a Paclitaxel derivative that efficiently promotes tubulin polymerization. Microtubule stabilizing agent-1 shows antitumor efficacy<sup>[1]</sup>.

### REFERENCES

[1]. Yuntao Ma, et al. Modulation of taxane binding to tubulin curved and straight conformations by systematic 3'N modification provides for improved microtubule binding, persistent cytotoxicity and in vivo potency. *Eur J Med Chem.* 2023 Nov 5;259:115668.

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

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