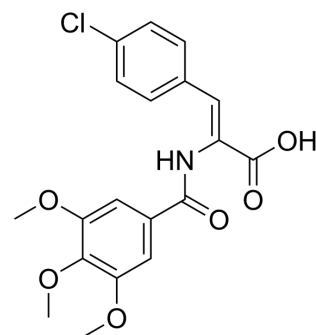


Tubulin polymerization-IN-53

Cat. No.:	HY-155350
Molecular Formula:	C ₁₉ H ₁₈ ClNO ₆
Molecular Weight:	391.8
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

Tubulin polymerization-IN-53 (compound 4b) is an inhibitor of β -tubulin polymerization. Tubulin polymerization-IN-53 can arrest the cell cycle at the G₂/M stage. Tubulin polymerization-IN-53 has antiproliferative efficacy against the MDA-MB-231 cell line with an IC₅₀ value of 3.24 μ M^[1].

REFERENCES

[1]. Eman Fayad, et al. Novel Acrylate-Based Derivatives: Design, Synthesis, Antiproliferative Screening, and Docking Study as Potential Combretastatin Analogues. ACS Omega. 2023, 8,41.

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

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