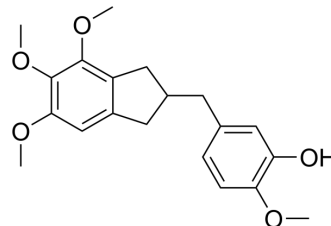


Tubulin polymerization-IN-49

Cat. No.:	HY-156737
Molecular Formula:	C ₂₀ H ₂₄ O ₅
Molecular Weight:	344.4
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-49 (compound 12d) is a potent tubulin polymerization inhibitor. Tubulin polymerization-IN-49 bound to colchicine site on tubulin and inhibited tubulin polymerization. Tubulin polymerization-IN-49 induces cell cycle arrest at G2/M phase and apoptosis. Tubulin polymerization-IN-49 has anticancer active and prevents tumor generation, inhibits tumor proliferation and angiogenesis^[1].

REFERENCES

[1]. Xu S, et, al. Design, synthesis and evaluation of dihydro-1H-indene derivatives as novel tubulin polymerisation inhibitors with anti-angiogenic and antitumor potency. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2247579.

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

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