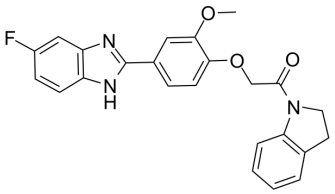
Tubulin polymerization-IN-50

Cat. No.:	HY-155314
CAS No.:	2998928-21-3
Molecular Formula:	$C_{24}H_{20}FN_3O_3$
Molecular Weight:	417.43
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-50 (compound 7n) is a inhibitor of tubulin polymerization, with the IC_{50} of 5.05 μM in SK-Mel-28 cells. Tubulin polymerization-IN-50 induces the cell cycle arrest in the G2/M phase[1].
IC_{50} & Target	5.05 μM(SK-Mel-28 cells)[1]

REFERENCES

[1]. Laxmikeshav K et al. Benzimidazole derivatives as tubulin polymerization inhibitors: Design, synthesis and in vitro cytotoxicity studies [published online ahead of print, 2023 Oct 3]. Bioorg Med Chem Lett. 2023;96:129494.

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