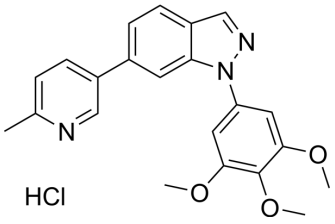
Tubulin polymerization-IN-56

Cat. No.:	HY-155362
CAS No.:	2966790-98-5
Molecular Formula:	$C_{22}H_{22}ClN_3O_3$
Molecular Weight:	411.88
Target:	Microtubule/Tubulin; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Tubulin polymerization-IN-56 (compound 8l), an indazole derivative, is a potent tubulin polymerization inhibitor through interacting with the colchicine site, resulting in cell cycle arrest and cellular apoptosis. polymerization-IN-56 reduces cell migration and leads to more potent inhibition of tumor growth in vivo[1].

REFERENCES

[1]. Ying-Jie Cui, et al. The discovery of water-soluble indazole derivatives as potent microtubule polymerization inhibitors. Eur J Med Chem. 2023 Oct 18:262:115870.

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