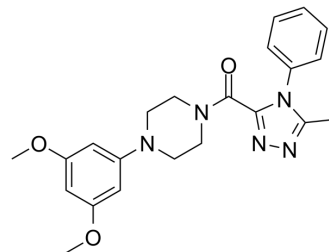


## Tubulin polymerization-IN-30

Cat. No.:	HY-147947
CAS No.:	2521560-46-1
Molecular Formula:	C <sub>22</sub> H <sub>25</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	407.47
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-30 (compound 6e) is a potent Tubulin polymerization inhibitor. Tubulin polymerization-IN-30 is a colchicine binding site inhibitor. Tubulin polymerization-IN-30 can disrupt intracellular microtubule organization, arrest cell cycle at the G2/M phase. Tubulin polymerization-IN-30 exhibits the high potency against the cancer cell lines including SGC-7901, A549 and HeLa, with IC<sub>50</sub> values of 2.16, 2.21, and 0.403 μM<sup>[1]</sup>.

### REFERENCES

[1]. Wang C, et al. Design, synthesis and evaluation of antiproliferative and antitubulin activities of 5-methyl-4-aryl-3-(4-arylpiperazine-1-carbonyl)-4H-1,2,4-triazoles. *Bioorg Chem.* 2020 Nov;104:103909.

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

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