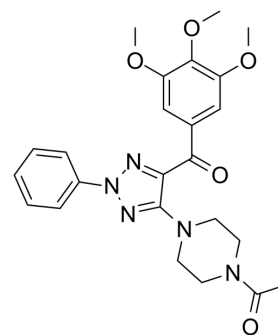


Tubulin polymerization-IN-16

Cat. No.:	HY-146311
CAS No.:	2296731-38-7
Molecular Formula:	C ₂₄ H ₂₇ N ₅ O ₅
Molecular Weight:	465.5
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-16 (compound 5g) is a potent inhibitor of tubulin polymerization. Tubulin polymerization-IN-16 shows most potent against cancer cells, with IC₅₀ values of 0.084-0.221 μM. Tubulin polymerization-IN-16 potently disrupts microtubule/tubulin dynamics, induces cell cycle arrest at G2/M phase in SGC-7901 cells^[1].

REFERENCES

[1]. Huang L, et al. Design, synthesis and bio-evaluation of novel 2-aryl-4-(3,4,5-trimethoxy-benzoyl)-5-substituted-1,2,3-triazoles as the tubulin polymerization inhibitors. *Eur J Med Chem.* 2020;186:111846.

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

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