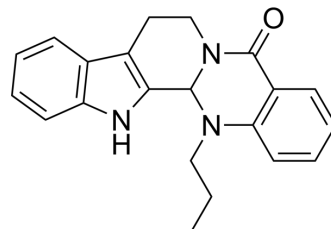


## Tubulin inhibitor 35

Cat. No.:	HY-155073
CAS No.:	2247047-77-2
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O
Molecular Weight:	331.41
Target:	Microtubule/Tubulin; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tubulin inhibitor 35 (compound 6b) is a dual inhibitor of topoisomerase I (IC<sub>50</sub>≈50 μM) and tubulin polymerization (IC<sub>50</sub>≈5.69 μM). Tubulin inhibitor 35 inhibits migration and invasion of MGC-803 and RKO cell lines and induces apoptosis via arresting cell cycle at G2/M phase. Tubulin inhibitor 35 exhibits potent efficacy in gastrointestinal tumor inhibition (inhibits MGC-803 (IC<sub>50</sub>=0.09 μM) and RKO (IC<sub>50</sub>=0.2 μM) cell lines)<sup>[1]</sup>.

### REFERENCES

[1]. Deng J, et al. N(14)-substituted evodiamine derivatives as dual topoisomerase I/tubulin-inhibiting anti-gastrointestinal tumor agents. *Eur J Med Chem.* 2023 Jul 5;255:115366.

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

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