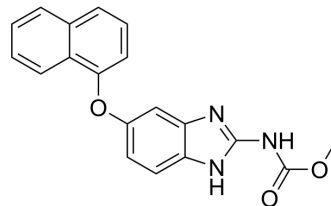


## Tubulin polymerization-IN-57

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-155459   |
| CAS No.:           | 95385-38-9  |
| Molecular Formula: | C <sub>19</sub> H <sub>15</sub> N <sub>3</sub> O <sub>3</sub>                             |
| Molecular Weight:  | 333.34  |
| 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-57 (compound 5a) is a tubulin inhibitor and is an  $\alpha$ -naphthoxy-substituted carbendazim (HY-13582) derivative. Tubulin polymerization-IN-57 induces mitotic arrest and inhibits cancer cell proliferation<sup>[1]</sup>.

### REFERENCES

[1]. Cano-González L et al. Structure-Based Optimization of Carbendazim-Derived Tubulin Polymerization Inhibitors through Alchemical Free Energy Calculations. *J Chem Inf Model.* 2023 Nov 27;63(22):7228-7238.

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

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