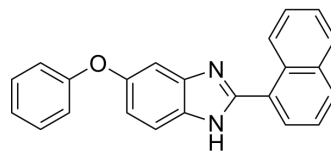


## Microtubule inhibitor 9

Cat. No.:	HY-161153
Molecular Formula:	C <sub>23</sub> H <sub>16</sub> N <sub>2</sub> O
Molecular Weight:	336.39
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Microtubule inhibitor 9 (Compound O-7) is a 2-Aryl-1H-benzo [d] imidazole derivative with in vitro anticancer activity. Microtubule inhibitor 9 can induce cell cycle arrest at the G2/M phase and early apoptosis. Microtubule inhibitor 9 inhibits cancer cell migration by inhibiting wound healing and colony formation<sup>[1]</sup>.

### REFERENCES

[1]. Park S J, et al. The microtubule cytoskeleton: A validated target for the development of 2-Aryl-1H-benzo [d] imidazole derivatives as potential anticancer agents[J]. Biomedicine & Pharmacotherapy, 2024, 171: 116106.

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

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