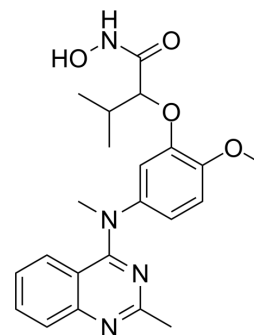


## Microtubule destabilizing agent-1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-139981   |
| CAS No.:           | 2850370-28-2  |
| Molecular Formula: | C <sub>22</sub> H <sub>26</sub> N <sub>4</sub> O <sub>4</sub>                             |
| Molecular Weight:  | 410.47  |
| 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

Microtubule destabilizing agent-1 (Compound 12b) acts as a microtubule destabilizing agent (MDA) based on hydroxamic acid, could serve as a potential MDA for further investigation. Microtubule destabilizing agent-1 shows favorable metabolism stability, high bioavailability, and potent antitumor activity<sup>[1]</sup>.

### REFERENCES

[1]. Linyu Yang, et al. Discovery of a Series of Hydroxamic Acid-Based Microtubule Destabilizing Agents with Potent Antitumor Activity. *J Med Chem.* 2021 Oct 28;64(20):15379-15401.

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

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