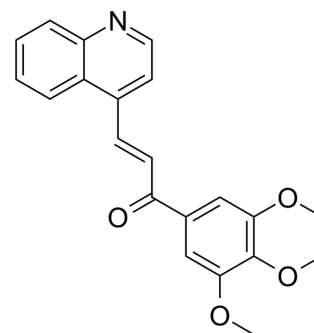


## Tubulin inhibitor 27

|                           |   |
|---------------------------|---|
| <b>Cat. No.:</b>          | HY-144817   |
| <b>CAS No.:</b>           | 184579-57-5   |
| <b>Molecular Formula:</b> | C <sub>21</sub> H <sub>19</sub> NO <sub>4</sub>   |
| <b>Molecular Weight:</b>  | 349.38  |
| <b>Target:</b>            | Microtubule/Tubulin   |
| <b>Pathway:</b>           | Cell Cycle/DNA Damage; Cytoskeleton   |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | Tubulin inhibitor 27 (DYT-1) is a tubulin polymerisation inhibitor with an IC <sub>50</sub> of 25.6 μM. Tubulin inhibitor 27 shows anti-angiogenesis and antitumor activities <sup>[1]</sup> .   |
| <b>IC<sub>50</sub> &amp; Target</b> | IC <sub>50</sub> : 25.6 μM (Tubulin polymerisation) <sup>[1]</sup>   |
| <b>In Vitro</b>                     | Tubulin inhibitor 27 (DYT-1) shows anti-proliferation activity with IC <sub>50</sub> values of 6.2 μM and 7.9 μM against K562 and Jurkat, respectively <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| <b>In Vivo</b>                      | Tubulin inhibitor 27 (DYT-1) shows anti-angiogenesis activity in Zebrafish with an IC <sub>50</sub> of 38.4 μM <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.   |

### REFERENCES

[1]. Yao Y, et al. Angiogenesis and anti-leukaemia activity of novel indole derivatives as potent colchicine binding site inhibitors. J Enzyme Inhib Med Chem. 2022 Dec;37(1):652-665.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA