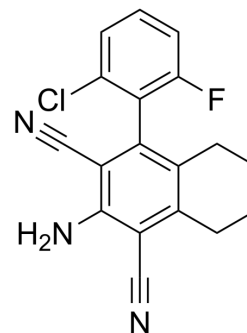


## Tubulin polymerization-IN-31

Cat. No.:	HY-147981
CAS No.:	2421121-79-9
Molecular Formula:	C <sub>18</sub> H <sub>13</sub> ClFN <sub>3</sub>
Molecular Weight:	325.77
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

<b>Description</b>	Tubulin polymerization-IN-31 (Compound 4c) is a tubulin polymerization inhibitor with an IC <sub>50</sub> of 3.64 μM. Tubulin polymerization-IN-31 induces cancer cell apoptosis and shows antitumor activity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 3.64 μM (Tubulin polymerization) <sup>[1]</sup>
<b>In Vitro</b>	Tubulin polymerization-IN-31 (Compound 4c) shows antitumor activities with IC <sub>50</sub> values of 6.02 ± 0.5, 8.45 ± 1.0 and 6.28 ± 0.6 μM against HepG2, HCT-116 and MCF-7, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Shaheen MA, et al. 1,4,5,6,7,8-Hexahydroquinolines and 5,6,7,8-tetrahydronaphthalenes: A new class of antitumor agents targeting the colchicine binding site of tubulin. *Bioorg Chem.* 2020 Jun;99:103831.

**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