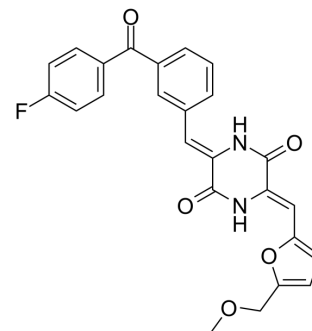


## Microtubule inhibitor 7

Cat. No.:	HY-147728
CAS No.:	2416338-65-1
Molecular Formula:	C <sub>25</sub> H <sub>19</sub> FN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	446.43
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

Compounds 17O ( $ic_{50}$  = 14.0 nm, NCI-H460) and 17p ( $ic_{50}$  = 2.9 nm, NCI-H460) and furan groups showed effective cytotoxic activity against various human cancer cell lines at the nanomolar level.

### REFERENCES

[1]. Ding Z, et al. Structure-based design and synthesis of novel furan-diketopiperazine-type derivatives as potent microtubule inhibitors for treating cancer. *Bioorg Med Chem.* 2020 May 15;28(10):115435.

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

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