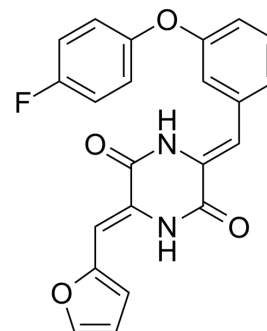


Microtubule inhibitor 5

Cat. No.:	HY-147726
CAS No.:	2416338-55-9
Molecular Formula:	C ₂₂ H ₁₅ FN ₂ O ₄
Molecular Weight:	390.36
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 inhibitor 5 (compound 17f) is a potent microtubule inhibitor. Microtubule inhibitor 5 shows cytotoxicity with an IC₅₀ value of 154.5 nM for NCI-H460 cells. Microtubule inhibitor 5 shows good cell permeability^[1].

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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