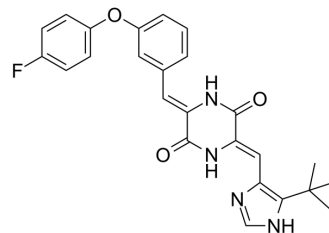


Microtubule inhibitor 4

Cat. No.:	HY-147725
CAS No.:	2411962-64-4
Molecular Formula:	C ₂₅ H ₂₃ FN ₄ O ₃
Molecular Weight:	446.47
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 inhibitor 4 (compound 2) is a potent microtubule inhibitor. Microtubule inhibitor 4 shows cytotoxicity with IC₅₀s of 4.0, 3.2, 2.1 nM for NCI-H460, BxPC-3, HT-29 cells, respectively. Microtubule inhibitor 4 shows the inhibition of tubulin polymerization^[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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