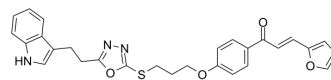


Tubulin inhibitor 21

Cat. No.:	HY-115970
Molecular Formula:	C ₂₈ H ₂₅ N ₃ O ₄ S
Molecular Weight:	499.58
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

Tubulin inhibitor 21 (compound 6f), a chalcone- and melatonin- based hybrid, is a potent tubulin inhibitor. Tubulin inhibitor 21 induces a remarkable cytotoxic activity toward SW480 cells (IC₅₀=0.26 μM) with lower effect against nonmalignant cells^[1].

REFERENCES

[1]. Andrés F. Yepes, et al. New class of hybrids based on chalcone and melatonin: a promising therapeutic option for the treatment of colorectal cancer. Medicinal Chemistry Research volume 30, pages2240–2255 (2021).

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

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