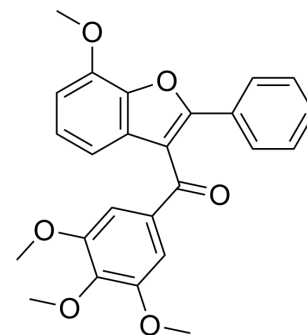


Tubulin polymerization-IN-60

Cat. No.:	HY-163356
CAS No.:	2361303-91-3
Molecular Formula:	C ₂₅ H ₂₂ O ₆
Molecular Weight:	418.44
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

Description	Tubulin polymerization-IN-60 (BF3) is a tubulin polymerization inhibitor with anticancer activity. Tubulin polymerization-IN-60 (BF3) belongs to the colchicine binding site inhibitors (CBSIs) and disturbs cell cycle progression leading to G2/M arrest and apoptosis ^[1] .
In Vitro	Tubulin polymerization-IN-60 (BF3) inhibits cell proliferation in a dose-dependent manner, with IC ₅₀ yielding 0.09 ± 0.01 μM, 0.11 ± 0.01 μM and 0.18 ± 0.05 μM for A375, MDA-MB435S and WM9, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Magdalena Perużyńska, et al. Microtubule destabilising activity of selected 7-methoxy-2-phenylbenzo[b]furan derivative against primary and metastatic melanoma cells. Eur J Pharmacol. 2024 Feb 5;964:176308.

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

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