MARK4 inhibitor 3

Cat. No.: HY-154987

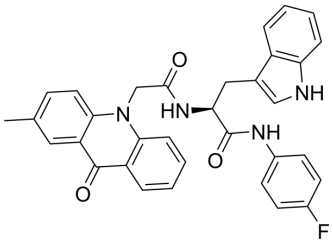
Molecular Formula: $C_{33}H_{27}FN_4O_3$

Molecular Weight: 546.59

Target: Others

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MAPK4 inhibitor 3 (compound 23b) is an inhibitor of MAPK4 with an IC_{50} value of 1.01 μM. MAPK4 inhibitor 3 inhibits cancer cells growth. MAPK4 inhibitor 3 can be used for research on cancer and tauopathies[1].
IC_{50} & Target	Microtubule affinity-regulating kinase 4 (MARK4)[1]IC50:1.01 μM (Microtubule affinity-regulating kinase 4, MARK4)[1]
In Vitro	MAPK4 inhibitor 3 (1-20 μM, 24 h) inhibits Hela and U87MG growth with EC_{50} values of 2.52 μM and 4.22 μM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay[1]

Cell Line:	Hela, U87MG
Concentration:	1-20 μM
Incubation Time:	24 h
Result:	Inhibited cell growth with EC_{50} values of 2.52 μM (Hela), 4.22 μM (U87MG).

REFERENCES

[1]. Maria Voura, et al. Synthesis, Structural Modification, and Bioactivity Evaluation of Substituted Acridones as Potent Microtubule Affinity-Regulating Kinase 4 Inhibitors. ACS Pharmacology & Translational Science 2023 6 (7), 1052-1074.

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