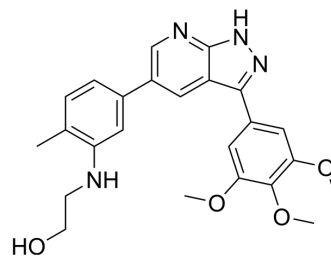


Antiproliferative agent-30

Cat. No.:	HY-155112
CAS No.:	2713553-88-7
Molecular Formula:	C ₂₄ H ₂₆ N ₄ O ₄
Molecular Weight:	434.49
Target:	Microtubule/Tubulin; FLT3; Bcr-Abl
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antiproliferative agent-30 (Compound 8g) inhibits tubulin assembly and inhibits FLT3 and Abl1. Antiproliferative agent-30 has vascular-disrupting activity. Antiproliferative agent-30 has broad antiproliferative activities against cancer cell lines (IC₅₀ s: 0.054 nM, 0.008 nM, 0.144 nM for HCT-116, K562, MV-4-11 cells respectively). Antiproliferative agent-30 also has anticancer effect against AML with FLT3-ITD-TKD mutation^[1].

REFERENCES

[1]. Chengqing Ning, et al. Design, synthesis, and biological evaluation of 3, 5-disubstituted-1H-pyrazolo[3,4-b]pyridines as multiacting inhibitors against microtubule and kinases. *European Journal of Medicinal Chemistry*. Volume 259, 5 November 2023, 115687.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA