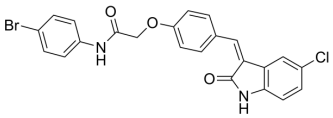
PDGFRα/β/VEGFR-2-IN-1

Cat. No.:	HY-163471
Molecular Formula:	$C_{23}H_{16}BrClN_2O_3$
Molecular Weight:	483.74
Target:	PDGFR; VEGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PDGFRα/β/VEGFR-2-IN-1 (6f), a multiple PDGFRα/ß and VEGFR-2 tyrosine kinase inhibitor, particularly targets PDGFRα, PDGFRβ, and VEGFR-2 kinases with Nano molar concentrations[1].
In Vitro	PDGFRα/β/VEGFR-2-IN-1 (6f) is a potent agent against pancreatic ductal adenocarcinoma MDA-PATC53 and PL45 cell lines with favorable safety profile when tested against normal prostate epithelial cells (RWPE-1)[1]. PDGFRα/β/VEGFR-2-IN-1 (6f) disrupts the G2/M cell cycle transition by upregulating p21 and reducing CDK1 and cyclin B1 mRNA levels[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hend A A Ezelarab, et al. New 2-oxoindole derivatives as multiple PDGFRα/ß and VEGFR-2 tyrosine kinase inhibitors. Bioorg Chem. 2024 Apr:145:107234.

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