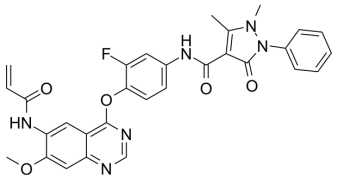
EGFR/c-Met-IN-1

Cat. No.:	HY-163006
CAS No.:	3020728-68-8
Molecular Formula:	$C_{30}H_{25}FN_6O_5$
Molecular Weight:	568.56
Target:	EGFR; c-Met/HGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR/c-Met-IN-1 (compound TS-41) is a dual-target inhibitor of EGFR/c-Met. The IC_{50} for inhibiting $EGFR^{L858R}$ and c-Met is 68.1 nM and 0.26 nM respectively. . EGFR/c-Met-IN-1 induces apoptosis and cell cycle arrest in A549-P cells, downregulating the phosphorylation of EGFR, c-Met, and downstream AKT. EGFR/c-Met-IN-1 inhibits tumor growth in vitro and in vivo[1].
IC_{50} & Target	IC50: 68.1 nM ($EGFR^{L858R}$), 0.26 nM (c-Met)[1]

REFERENCES

[1]. Tang S et al. Design, synthesis, and biological evaluation of 4-(2-fluorophenoxy)-7-methoxyquinazoline derivatives as dual EGFR/c-Met inhibitors for the treatment of NSCLC. Eur J Med Chem. 2023 Nov 15;263:115939.

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