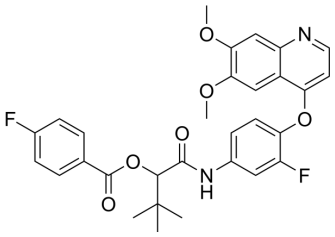
c-Met-IN-13

Cat. No.:	HY-150576
CAS No.:	2377724-93-9
Molecular Formula:	$C_{30}H_{28}F_2N_2O_6$
Molecular Weight:	550.55
Target:	c-Met/HGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	c-Met-IN-13 is a potent c-Met inhibitor with an IC_{50} value of 2.43 nM. c-Met-IN-13 shows excellent cytotoxicity for cancer cells. c-Met-IN-13 shows antiproliferative activity in a concentration- and time- dependent manner. c-Met-IN-13 has the potential for the research of cancer[1].
In Vitro	c-Met-IN-13 (compound 10m) shows cytotoxic activities with IC_{50}s of 0.14, 0.20, 0.26 μM for H460, HT-29, MKN-45, respectively[1]. c-Met-IN-13 shows tyrosine kinases selectively with IC_{50}s of 4.42, 6.15, 18.64, 295, 540, >10000, 2.43 nM for c-kit, Flt-3,Ron, VEGFR-2, Flt-4, EGFR, C-Met, respectively[1]. c-Met-IN-13 (0-300 μg/ml; 72 h) shows antiproliferative activity in a concentration and time dependent manner[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nan X, et al. Structure-based discovery of novel 4-(2-fluorophenoxy)quinoline derivatives as c-Met inhibitors using isocyanide-involved multicomponent reactions. Eur J Med Chem. 2020 May 1;193:112241.

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