c-Met-IN-17

Cat. No.: HY-153831

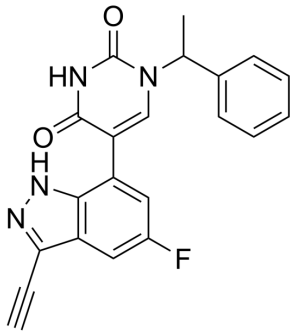
Molecular Formula: $C_{21}H_{15}FN_4O_2$

Molecular Weight: 374.37

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-17 is a potent c-Met kinase inhibitor with an IC_{50} of 0.031 μM. c-Met-IN-17 can be used in anticancer research.[1]. c-Met-IN-17 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

In Vitro

C-met-in-17 (compound 29) inhibits D1228V c-Met enzyme activity with an IC_{50} of 0.068 μM by ADP-Glo assay[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

c-Met-IN-17 (0.5 mg/kg; i.v.; 0-24 h) shows excellent bioavailability in Wistar Rats[1].

In vivo pharmacokinetic analysis in Wistar Rats[1]

Route	Dose (mg/kg)	Cl (mL/min/kg)	V_{ss_obs} (L/kg)	Bioavailability (%)
i.v.	0.5	60	4.6	100

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Michaelides IN, et al. Discovery and Optimization of the First ATP Competitive Type-III c-MET Inhibitor. J Med Chem. 2023 Jul 13;66(13):8782-8807.

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