

## c-Met-IN-23

## Chemical Properties

CAS No. :

Formula: C16H13N7O

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	c-Met-IN-23 (Compound 12g) functions as a c-Met inhibitor with an IC50 of 0.052 $\mu$ M against c-Met. It also inhibits the MDR1 and MRP1/2 pumps in cancerous HepG2 and BxPC3 cells. As such, c-Met-IN-23 serves as an anticancer agent.
Targets(IC50)	c-Met/HGFR,P-gp
In vitro	c-Met-IN-23 inhibits HGF-induced cell proliferation with IC 50 values of 12.4, 3.06, 19.30, and 16.85 $\mu$ M for HT29, HepG2, MCF7, and MDA-MB-231 cells, respectively. At concentrations between 0.3 and 150 $\mu$ M for 30 minutes, c-Met-IN-23 can block P-gp and MRP1/2 pumps in HepG2 and BxPC3 cells. Additionally, a concentration of 3 $\mu$ M for 24 hours increases the expression of P-gp in HepG2 and BxPC3 cells and the expression of MRP1 and MRP2 in BxPC3 cells, while inhibiting P-gp-mediated efflux in HepG2 cells.

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