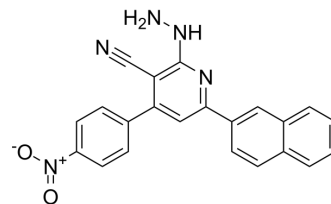


VEGFR-2-IN-23

Cat. No.:	HY-149024
CAS No.:	2411174-53-1
Molecular Formula:	C ₂₂ H ₁₅ N ₅ O ₂
Molecular Weight:	381.39
Target:	VEGFR; Apoptosis; MDM-2/p53
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VEGFR-2-IN-23 (compound 11b) is a potent and selective VEGFR-2 inhibitor with an IC ₅₀ value of 0.34 nM. VEGFR-2-IN-23 shows antitumor activity. VEGFR-2-IN-23 induces apoptosis and cell cycle arrest at G1 phase ^[1] .
IC₅₀ & Target	VEGFR-2 0.19 nM (IC ₅₀)
In Vitro	VEGFR-2-IN-23 (compound 11b) shows antitumor activity with IC ₅₀ s of 23, 0.8, 1.3, 46 nM for PC3, DU145, MCF-7, MDA-MB435 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	VEGFR-2-IN-23 (5, 10 mg/kg; i.p.) shows inhibits the tumor growth in MCF-7 xenograft tumor models ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. AbdelHaleem A, et al. Selective VEGFR-2 inhibitors: Synthesis of pyridine derivatives, cytotoxicity and apoptosis induction profiling. Bioorg Chem. 2020 Oct;103:104222.

Caution: Product has not been fully validated for medical applications. For research use only.

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