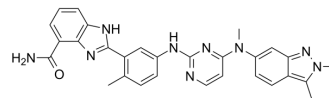


## VEGFR/PARP-IN-1

Cat. No.:	HY-155965
CAS No.:	3010256-54-6
Molecular Formula:	C <sub>29</sub> H <sub>27</sub> N <sub>9</sub> O
Molecular Weight:	517.58
Target:	VEGFR; PARP; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	VEGFR/PARP-IN-1 (Compound 14b) is a VEGFR/PARP dual inhibitor (IC <sub>50</sub> s: 191 nM and 60.9 nM respectively). VEGFR/PARP-IN-1 inhibits DNA damage repair, induces cell apoptosis, and arrests cell in the G2/M phase. VEGFR/PARP-IN-1 has good antiproliferative efficacy against BRCA wild-type breast cancer cells (IC <sub>50</sub> : 4.1 and 3.5 μM for MDA-MB-231 and MCF-7 cells). VEGFR/PARP-IN-1 is an antitumor and anti-metastasis agent <sup>[1]</sup> .
IC <sub>50</sub> & Target	191 nM and 60.9 nM (VEGFR/PARP) <sup>[1]</sup>

### REFERENCES

[1]. Li Y, et al. Discovery, Synthesis, and Evaluation of Novel Dual Inhibitors of a Vascular Endothelial Growth Factor Receptor and Poly(ADP-Ribose) Polymerase for BRCA Wild-Type Breast Cancer Therapy. J Med Chem. 2023 Aug 24.

**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