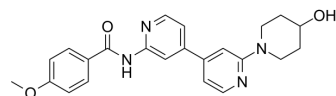


CDK9-Cyclin T1 PPI-IN-1

Cat. No.:	HY-156296
CAS No.:	2995336-58-6
Molecular Formula:	C ₂₃ H ₂₄ N ₄ O ₃
Molecular Weight:	404.46
Target:	CDK; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CDK9-Cyclin T1 PPI-IN-1 (Compound B19) is a selective CDK9-Cyclin T1 protein-protein interaction (PPI) inhibitor. CDK9-Cyclin T1 PPI-IN-1 inhibits cell proliferation in TNBC MDA-MB-231 cells (IC₅₀: 0.044 μM), and induces apoptosis. CDK9-Cyclin T1 PPI-IN-1 inhibits CDK9 transcription activity, reduces the phosphorylation of RNA Pol II CTD ser2. CDK9-Cyclin T1 PPI-IN-1 inhibits tumor growth in a TNBC 4T1 mouse model^[1].

REFERENCES

[1]. Gao G, et al. Design, synthesis, and biological evaluation of novel 4,4'-bipyridine derivatives acting as CDK9-Cyclin T1 protein-protein interaction inhibitors against triple-negative breast cancer. *Eur J Med Chem.* 2023 Oct 6;261:115858.

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