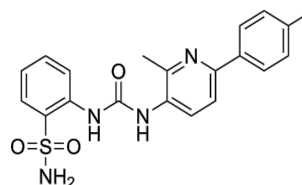


Data Sheet

WWW.UREIKO-CHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : WES-1
Cat.No. : URK-V2522
CAS No. : 2748673-86-9
Molecular Weight : 396.46
Molecular Formula : $C_{20}H_{20}N_4O_3S$
Target :
Solubility :



Biological Activity

WES-1 is a small molecule inhibitor that specifically targets the protein tyrosine kinase BMX. BMX plays a critical role in various cellular processes, including signal transduction, proliferation, and survival. Inhibition of BMX has shown to have potential benefits in several oncological applications and autoimmune diseases.

WES-1 is able to reduce the ability of BMX to phosphorylate downstream targets by interacting structurally with the kinase domain of BMX, thereby blocking its catalytic activity.

WES-1 was found to be effective in inhibiting tumor cell growth in a mouse model of triple-negative breast cancer (TNBC) by suppressing BMX-mediated PI3K/AKT/mTOR signaling pathway.

References

1. Yang Y, et al. WES-1, a novel potent inhibitor of BMX kinase, suppresses EMT and metastasis of TNBC cells. *Biochem Biophys Res Commun.* 2018; 501(3):639-45.
2. Xing C, et al. WES-1: A Novel BMX Tyrosine Kinase Inhibitor with Significant Anti-inflammatory Activity in a Mouse Model of Psoriasis. *Inflammation.* 2020; 43(6):2225-35.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

Caution: Product has not been fully validated for medical applications. Lab Use Only!

JACK@UREIKO-CHEM.COM