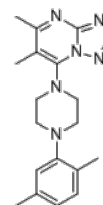


Product Name : PAX inhibitor BG1
Cat. No. : PC-72554
CAS No. : 951536-07-5
Molecular Formula : C₁₉H₂₄N₆
Molecular Weight : 336.443
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PAX inhibitor BG1 (PAX-IN-BG1) is a small molecule inhibitor that attenuate **Pax-2** transactivation ability with IC₅₀ of 1.5 uM.

BG1 also shows ability to inhibit **Pax5** and **Pax8** activation of the PRS4-Luc reporter assays.

BG1 inhibits Pax2-positive cancer cell growth and target gene expression but has little effect on Pax2-negative cells.

BG1 prevent Pax protein interactions with the histone H3K4 methylation complex at Pax target genes (Cdh6) in renal cells.

References

Shayna T J Bradford, et al. *Cell Chem Biol.* 2021 Nov 18;S2451-9456(21)00480-3.

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

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