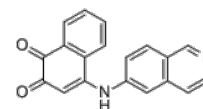


Product Name : YZ129
Cat. No. : PC-35998
CAS No. : 1643120-60-8
Molecular Formula : C₁₉H₁₂N₂O₂
Molecular Weight : 300.317
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

YZ129 (YZ-129) is a small molecule inhibitor of **HSP90-Calcineurin-NFAT** pathway, suppresses TG-induced **NFAT** nuclear translocation in HeLa cells with IC₅₀ of 820 nM.

YZ129 also suppressed the expression of NFAT-regulated genes, such as COX2, MMP7, and MMP9, in U87 GBM cells.

YZ129 directly binds to **HSP90** to antagonize its chaperoning effect on calcineurin, a Ca²⁺-sensitive phosphatase that is required for NFAT nuclear translocation and subsequent gene expression.

YZ129 could not only suppress cancer cell growth but also reduce cancer cell movement and migration of GBM cells in vitro.

YZ129 suppresses the growth of GBM xenografts in vivo.

References

Liu Z, et al. *Cell Chem Biol*. 2018 Nov 30. pii: S2451-9456(18)30431-8.

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

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